MODEL

Specifications

| | KV-EF29M90, KV-EF29 | 9M61, KV-EF29M91 | Note |
|------------------------|---|---|-------------------------------|
| Power requirements | 110-240 V AC, 50/60 Hz | | |
| Power consumption (W) | Indicated on the rear of the TV | | |
| Television system | B/G, I, D/K, M | | |
| Color system | PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58 | | |
| Stereo system | NICAM Stereo B/G, I; | A2 Stereo (German) B/G | |
| Teletext language | English, Arabic, Frenc | h | KV-EF29M31/ EF29M61/EF29M9 |
| Channel coverage | | | |
| B/G | VHF : E2 to E12 / UHI S1 to S41 | F : E21 to E69 / CATV : S01 to S03 | 3, |
| 1 | UHF: B21 to B68 / CA | ATV : S01 to S03, S1 to S41 | |
| D/K | VHF: C1 to C12, R1 to CATV: S01 to S03, S1 | R12 / UHF : C13 to C57, R21 to I to S41, Z1 to Z39 | R60 |
| М | VHF : A2 to A13 / UHF : A14 to A79/ CATV : A-8 to A-2, A to W+4, W+6 to W+84 | | |
| ∏(Antenna) | 75-ohm external terminal | | |
| Audio output (speaker) | 15W + 15W | | |
| Number of terminal | | | |
| (video) | Input: 4 Output: 1 | phono jacks; 1 Vp-p, 75 ohn | ns |
| ♪ (Audio) | Input: 4 Output: 1 | phono jacks; 500 mVrms | |
| € (S Video) | Input: 2 | Y: 1 Vp-p, 75 ohms, unbalanced, sync negative C: 0.286 Vp-p, 75 ohms | |
| (Component Video) | Input: 1 | phono jacks Y: 1.0 Vp-p, 75 ohms, sync negative B-Y: 0.7 Vp-p, 75 ohms R-Y: 0.7 Vp-p, 75 ohms Audio: 500 mVrms, | |
| ⊕ (Headphone) | Output: 1 | Minijack | |
| Picture tube | 29 in. | | |
| Tube size (cm) | 72 | | Measured diagonally |
| Screen size (cm) | 68 | | Measured diagonally |
| Dimensions (w/h/d, mm) | $716 \times 572 \times 525$ | | |
| Mass (kg) | 54 | | |

Design and specifications are subject to change without notice.

CAUTION
SHORT CIRCUIT THE ANODE OF HTE PICTURE TUBE
AND THE ANODE CAP TO THE METAL CHASSIS, CRT
SHIELD, OR CARBON PAINTED ON THE CRT, AFTER

REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!! COMPONENTS IDENTIFIED BY SHADING AND MARK

ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

SECTION 1 GENERAL

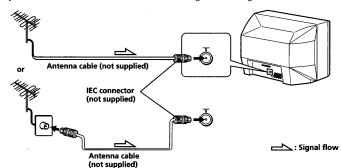
Using Your New TV

Getting Started

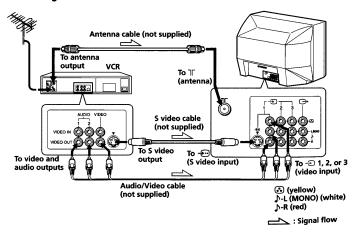
Step 1

Connect the antenna

If you wish to connect a VCR, see the "Connecting a VCR" diagram below.



Connecting a VCR



- If you connect a monaural VCR, connect the yellow plug to ⑤ (the yellow jack) and the black plug to ♪-L (MONO) (the white jack).
 If you connect a VCR to the (antenna) terminal, preset the signal
- output from the VCR to the program position 0 on the TV.
- Do not simultaneously connect video equipment to the ⊕ 3 (video input) jacks at the front and the ⊕ 3 (video input) jacks at the rear of your TV.

 If both ⊕ (S video input) and ⊕ 1 (video input) are input simultaneously, the ⊕ (S video input) is automatically selected. To view the video input to ⊕ 1 (video input), disconnect the S video cable.
- . When no signal is input to the connected VCR (or video equipment), the screen becomes blue.

Step 2

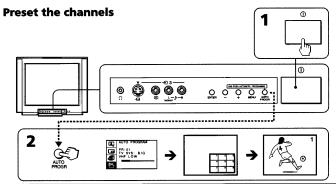
Insert the batteries to the remote





• Do not use old batteries nor use different types of batteries together.

Step 3



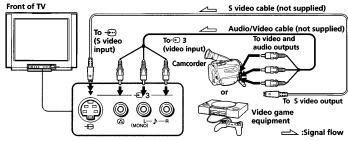
Now You Are Ready. . .

The channels are now automatically preset in your TV. To preset the channels manually, see page 34.



You can connect optional audio/video components, such as a VCR, multi disc player, camcorder, video game or stereo system.

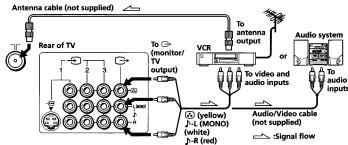
Connecting a camcorder/video game equipment using the 🕣 (video input) jacks



 Ω

- You can also connect video equipment to the 1 3 (video input) jacks at
- Do not simultaneously connect video equipment to the ⊕ 3 (video input) jacks at the front and the 3 (video input) jacks at the rear of your TV; otherwise, the picture will not be displayed properly on the screen.

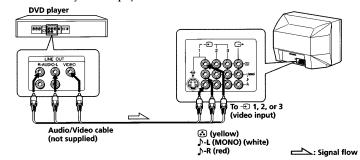
Connecting audio/video equipment using the -(monitor/TV output) jacks



• When connecting a monaural VCR, connect the yellow plug to ② (the yellow jack) and the black plug to 1 -L (MONO) (the white jack).

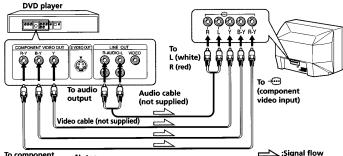
Connecting a DVD player

Using ♪/② (audio/video) connectors, connect → 1 (video input) on your TV to LINE OUT on your DVD player.



Connecting a DVD player with component video output connectors

- 1 Using audio connectors, connect L and R of (component video input) on your TV to the AUDIO L and R output connectors on your DVD player.
- 2 Using three yellow yideo cables, connect Y, B-Y, and R-Y of \leftarrow (component yideo input) on your TV to Y, B-Y, and R-Y output on your DVD player.

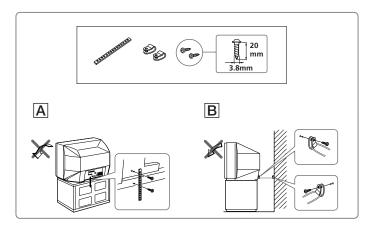


To component video output

- Some DVD player terminals may be labeled Y, Cb, and Cr. If so, connect Y (green) to Y, B-Y (blue) to Cb, and R-Y (red) to Cr.
- Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, adjust the sharpness ("SHARP") in the VIDEO ADJUST menu. (see page 28.)
- Connect your DVD player directly to your TV. Connecting the DVD player through other video equipment will cause unwanted picture noise.

 $\fbox{\bf A}$ With the supplied screws, attach the band to the TV stand and to the rear of the TV using the provided hole.

B Put the cord or chain through the clamps to secure the TV against a wall or pillar.

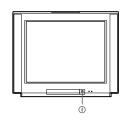


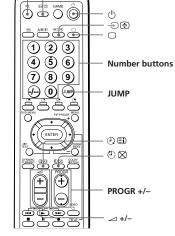
Note

• Use only the supplied screws. Use of other screws may damage the TV.

Watching the TV

This section explains functions used while watching TV. Most operations can be done using the remote.





· 🕸

1 Press ① to turn on the TV.

When the TV is in the standby mode (the \circlearrowleft indicator on the TV is lit), press \circlearrowleft on the remote or on the TV.

The PROGR +/-, $\triangle +/-$, and \bigcirc indicators on the TV light up.



Press PROGR +/- or number buttons to select the TV program.

For double digit numbers, press -t--, then the number (e.g., for 25, press -t--, then 2 and 5).





continued

Using Your New TV 9

Additional tasks

| То | Do this |
|------------------------------------|--|
| Turn off temporarily | Press (b). The (b) indicator on the TV lights up. |
| Turn off completely | Press ① on the TV. |
| Adjust the volume | Press ⊿+/ |
| Mute the sound | Press º¾. |
| Watch the video input | Press $-\textcircled{3}$ (or $-\textcircled{2}$ on the TV) to select "VIDEO 1," "VIDEO 2", "VIDEO 3" or "DVD." To go back to the TV program, press \bigcirc (or $-\textcircled{2}$ on the TV.) |
| Jump back to the previous channel | Press JUMP. |
| Display the on-screen information* | Press (i+)?. |
| Change the on-screen language | See page 27. |
| | |

* The picture, sound, and either the program position or video mode are displayed. The on-screen display for the picture and sound information disappears after about 3 seconds.

Notes

- When you turn on the TV, you may hear a "boon" sound that is caused by the demagnetization of the TV. This does not indicate a malfunction.
- The picture color may become abnormal if you change the direction of your TV. To obtain the normal picture color, press ① on the TV to turn off the TV for five minutes and then turn it on again.

To set the Wake Up timer

1 Press ⓐ until the desired period of time appears. Every time you press this button, the period of time changes as follows:



- 2 Select the TV program or video mode you want to display when you wake up.
- 3 Press (b) or set the Sleep timer if you want the TV to turn off automatically.

To cancel the Wake Up timer, press 🕘 🗊 until "WAKE UP TIMER: OFF" appears or turn off the TV's main power.

Notes

- The Wake Up timer starts immediately after the on-screen display disappears.
- If no buttons or controls are pressed for more than two hours after the TV is turned on using the Wake Up timer, the TV automatically goes into the standby mode. To continue watching the TV, press any button or control on the TV or the remote.

To set the Sleep timer

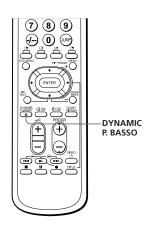
Press $\textcircled{1} \boxtimes$ until the desired period of time appears.

Every time you press this button, the period of time changes as follows:



To cancel the Sleep timer, press 1 \boxtimes until "SLEEP TIMER: OFF" appears or turn the TV off.

 The DYNAMIC POWER BASSO sound mode enables you to enjoy high quality audio with the best combination of all types of sound. It reproduces dynamic and clear sounds and emphasizes low and high audio effects as well.



Press DYNAMIC P. BASSO.

The sound mode of the TV program or the video input changes to the DYNAMIC POWER BASSO sound.



To go back to the normal sound mode

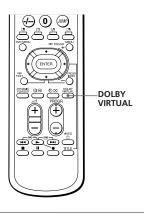
Press DYNAMIC P. BASSO again.

Tip

 Select any of the sound modes ("HYPER SURROUND" or "A/V CONTROL"—"DYNAMIC/STANDARD/SOFT/PERSONAL") to cancel the DYNAMIC POWER BASSO sound.

Listening with Virtual Dolby* Surround sound

The Virtual Dolby Surround sound mode enables you to enjoy Dolby ProLogic Surround without surround speakers.



Press DOLBY VIRTUAL.

The sound mode of the TV program or the video input changes to the Virtual Dolby Surround sound.



dvanced Operations

To go back to the normal sound mode

Press DOLBY VIRTUAL again.

* Manufactured under license from Dolby Laboratories Licensing Corporation.

DOLBY, the double-D symbol DD and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

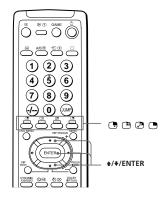
The Virtual Dolby Surround of this model consists of Dolby Pro Logic and TruSurround.

" **TruSurround**" is a trademark of SRS Labs, Inc. SRS and the SRS symbol are registered trademarks of SRS Labs, Inc. in the United States and selected foreign countries. SRS and TruSurround are incorporated under license from SRS Labs, Inc."

Watching two programs at the same time

—PIP

With the Picture-in-Picture (PIP) feature, you can display a sub screen within the main picture of different TV programs or video inputs.



Displaying the PIP screen



To select a TV program in the PIP screen

Press ♠ or ♣, and press ENTER.

To select a video input in the PIP screen

Press \bigcirc (or \bigcirc on the TV).

To go back to the normal screen

Press 🕒.

Tips

- \bullet You can also display the PIP screen using the menu (see "Adjusting the PIP setting" on page 30).
- You can change the position of the PIP screen (see "Adjusting the PIP setting" on page 30).

Additional PIP tasks

| То | Press |
|--|---|
| swap pictures between the main and PIP screens | |
| freeze the PIP screen | To unfreeze the screen, press the button again. |

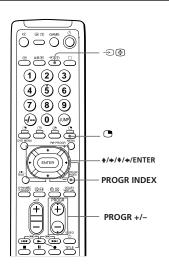
Notes

- When you display a video input on the PIP screen at a faster/slower speed, the picture may be disrupted depending on the VCR type.
- If you display different color systems on the main screen and the PIP screen, the size of the PIP screen may be different and the PIP picture may be disrupted. This does not indicate a malfunction of the TV.

Viewing multiple programs at the same time

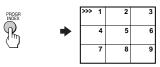
—PROGRAM INDEX

The PROGRAM INDEX feature allows you to view all of the preset TV programs and the video inputs on the nine sub screens at the same time.



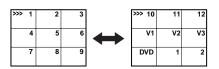
Press PROGR INDEX.

The first nine preset programs appear on the nine sub screens.



To view the next or the previous nine preset programs

Press PROGR +/- on the remote or the TV.



To select the desired program directly from the nine sub screens

Press the number buttons or €.

You can also select the program you want to watch from the nine sub screens as follows:

- 1 Press $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ to move the cursor (>>>) to the screen of the program you want to watch.
- 2 Press ENTER.

To go back to the normal screen

Press PROGR INDEX again or .

You can also go back to the normal screen as follows:

- 1 Select "PROGR INDEX" or "PIP: OFF" from the PIP menu.
- 2 Press ENTER.

Tips

- You can also view multiple programs on the nine sub screens using the menu (see "Adjusting the PIP setting" on page 30).
- You can change the position of the nine sub screens using the PIP menu (see "Adjusting the PIP setting" on page 30).

- You can use only the number buttons on the remote to change the program position of the main screen when you display the nine sub
- You can only hear the sound of the main screen when viewing multiple programs on the nine sub screens.

Selecting a stereo or bilingual program

(KV-EF29M91 only)

You can enjoy stereo sound or bilingual programs of NICAM and A2 (German) stereo systems.



Press A/B ⊕ repeatedly until you receive the sound you want.

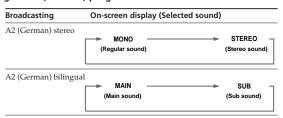
The on-screen display changes to show the selected sound and the U/ ☼/ ④ indicator lights up.



When receiving a NICAM program

| Broadcasting | On-screen display (Selected so | ound) |
|-----------------|--|-------------------------------|
| NICAM stereo | NICAM (Stereo sound) | MONO − (Regular sound) |
| NICAM bilingual | NICAM> NICAM MAIN SUB (Main sound) (Sub sound) | ──► MONO - (Regular sound) |
| NICAM monaural | NICAM MAIN (Main sound) | ● MONO (Regular sound) |

When receiving an A2 (German) program



Receiving area for NICAM and A2 (German) programs

| System | Receiving area | |
|-------------|---|--|
| NICAM | Hong Kong, Singapore, New Zealand, Malaysia, Thailand, etc. | |
| A2 (German) | Australia, Malaysia, Thailand, etc. | |

- If the signal is very weak, the sound becomes monaural automatically.
- If the stereo sound is noisy when receiving a NICAM program, select "MONO". The sound becomes monaural, but the noise is reduced.

If the sound is distorted or noisy when receiving a monaural program through the T (antenna) terminal

Press A/B **③** repeatedly until "MONO" appears on the screen while the $\bigcirc/\bigcirc/\bigcirc$ indicator is off.

To cancel the monaural sound setting, press A/B ⊕ again until "AUTO" appears on the screen.



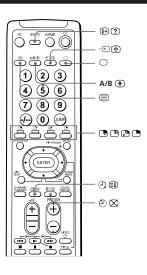
Notes

- The "MONO" or "AUTO" setting is memorized for each program
- You cannot receive stereo broadcast signal when the TV is in the "MONO" setting. Normally set the TV to "AUTO."

Viewing Teletext

(KV-EF29M91 only)

TV stations broadcast an information service called Teletext via some TV channels. Teletext allows you to receive various information, such as weather forecasts or news.



Displaying Teletext

- Select a TV channel that carries the Teletext broadcast you want to watch.
- **2** Press ⊜ to display the text.

A Teletext page (normally the index page) is displayed. If there is no Teletext broadcast, "100" is displayed at the top left corner of the screen.





To turn off Teletext

Press \square .

Additional Teletext tasks

| То | Do this |
|--|--|
| display a Teletext page on the TV picture | Press \blacksquare . Each time you press \blacksquare , the screen changes as follows: Teletext \rightarrow Teletext and TV \rightarrow TV. |
| check the contents of a Teletext service | Press (4) (5). An overview of the Teletext contents and page numbers appear on the screen. |
| select a Teletext page | Press the number buttons to enter the three-digit page number of the desired Teletext page. If you make a mistake, reenter the correct page number. To access the next or previous page, press PROGR□+/- |
| hold a Teletext page (stop the page from scrolling) | Press - ⊕ to display the symbol "⊕" at the top left corner of the screen. To resume normal Teletext operation, press - ⊕ or ■. |
| reveal concealed information (e.g., an answer to a quiz) | Press ⊕ ⑦. To conceal the information, press the button again. |
| enlarge the Teletext display | Press A/B $\textcircled{\bullet}$. Each time you press A/B $\textcircled{\bullet}$, the Teletext display changes as follows: Enlarge upper half \rightarrow Enlarge lower half \rightarrow Normal size. |
| wait for a Teletext page while watching a TV program | Enter the Teletext page number that you want to refer to, then press ② ☑. When the page number is displayed, press 圖 to show the text. |

^{*} You can also select a Teletext page of any page number that appears in the colored column at the bottom of the screen using the corresponding colorcoded button on the remote.

Using FASTEXT

This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT program is broadcasted, the colored menus appear at the bottom of the screen. The colors of the menus correspond to the red (), green (), yellow (), and blue () color-coded buttons on the remote.

To access a FASTEXT menu

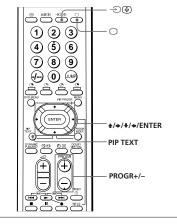
Press the color-coded button on the remote corresponding to the menu you want. The menu page appears on the screen after several seconds.

20 Advanced Operations Advanced Operations 21

Displaying Teletext on the PIP screen

-PIP TEXT (KV-EF29M91 only)

The PIP TEXT feature enables you to display a Teletext page on the PIP screen while watching a TV program.



Select a TV channel that carries the Teletext broadcast you want to watch.

Press PIP TEXT.



To go back to the normal screen

Press PIP TEXT again, or press ○, • • • or PROGR +/-. You can also select "PIP: OFF" from the PIP menu, and press ENTER to go back to the normal screen.

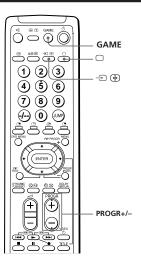
- You can also display Teletext on the PIP screen using the menu (refer to "Adjusting the PIP setting" on page 30).
- You can also use the color-coded buttons (see page 21) to select pages in
- \bullet You can change the position of a Teletext page on the PIP screen using the PIP menu (refer to "Adjusting the PIP setting" on page 30).

 To select a Teletext page on the PIP screen, press ♠/◆/♠/♠ once only. If you press ♠/◆/♠/♠ continuously, the Teletext page numbers also change continuously at a fast speed.

Viewing a video game screen

—GAME MODE

The GAME MODE feature optimizes the video game screen by giving a soft picture and dynamic sound effects.



Press GAME.

The picture and sound change to the mode that is suitable for video games.







To go back to the normal picture and sound modes

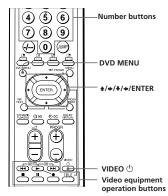
Press \bigcirc , \Rightarrow $\textcircled{\oplus}$, or PROGR +/-.

- · You can also view the video game screen using the menu (see "Adjusting the FEATURES setting" on page 32).
- · You can turn on the TV automatically and enter the GAME mode just by pressing the GAME button when the TV is in the standby mode.

• To display a video game screen, connect the video game equipment to the € 3 (video input) jacks at the front or rear of the TV.

Operating optional components

You can use the supplied remote to operate Sony video equipment such as Beta, 8mm, VHS, MDP, CD or DVD.



Setting the remote to the connected equipment

While holding down VIDEO (), press the following number combinations to enter the equipment's code number (see the chart below).

For example, to operate a Sony 8 mm VCR:



Sony video equipment's code numbers

| To control | Hold down VIDEO () and press |
|-------------|------------------------------|
| DVD | 00 |
| VTR1 (Beta) | 01 |
| VTR2 (8mm) | 02 |
| VTR3 (VHS) | 03 |
| MDP | 04 |
| CD | 06 |
| MD | 07 |

- If your video equipment is furnished with a COMMAND MODE selector, set this selector to the same position as the setting code.
- · If the equipment does not have a certain function, the corresponding button on the remote will not operate.
- When you remove the batteries, the code number may revert to the factory

Operating a VCR using the remote

| То | Press |
|--|---|
| turn on/off | VIDEO () |
| record | ● while pressing ► |
| play | > |
| stop | |
| fast forward | >> |
| rewind the tape | 44 |
| pause | Press again to resume normal playback. |
| search the picture forward or backward | ▶▶ or ◀◀ during playback. Release to resume normal playback. |

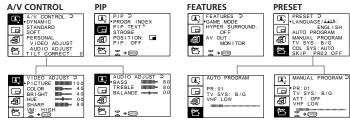
Operating a DVD player using the remote

| То | Press |
|--|---|
| turn on/off | VIDEO 🖰 |
| play | > |
| stop | |
| pause | Press again to resume normal playback. |
| step through different tracks of an audio disc | ▶► to step forward or ► to step backward |
| display the Title menu | TITLE |
| display the menu | DVD MENU |
| select the menu item | ↑ / → / ♦ while holding down ● |

Operating an MDP using the remote

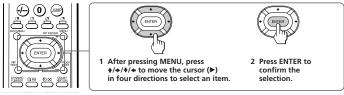
| То | Press |
|--|--|
| turn on/off | VIDEO () |
| play | > |
| stop | |
| pause | Press again to resume normal playback. |
| search the picture forward or backward | ▶▶ or ◀◀ during playback. Release to resume normal playback |

The MENU button lets you open a menu and change the settings of your TV. Here's an overview of the menu system.



*KV-EF29M91 only

How to use the menu



| То | Do this |
|------------------------------|---|
| go back to the previous menu | Press \blacklozenge or \blacktriangledown to move the cursor (\blacktriangleright) to the first line (\beth) of each menu, then press ENTER.* |
| cancel the menu | Press MENU. |
| change the menu language | See next page. |

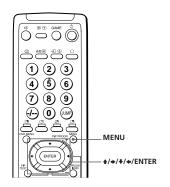
^{*} Except for "AUTO PROGRAM"

Notes (except for AUTO PROGRAM)

- When you select a menu, the color of the menu and the menu symbol change and the cursor (>) appears beside the first item of the menu.
- . When an item on the menu is selected after pressing ENTER, the color of the item changes.
- If more than 60 seconds elapse between entries, the menu screen disappears.
- Some menu displays contain the symbol ⇒ ENTER at the bottom of the screen to indicate how to use the menu.

Changing the menu language

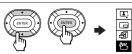
You can change the menu language as well as the on-screen language.



Press MENU.



Press ♠ or ♥ to move the cursor (▶) to the PRESET menu (弊), then press ENTER.





Make sure the cursor (▶) appears beside then ،اللغة/LANGUAGE press ENTER.





Press **♠/♦**/**♦** to select then press ENTER. عربى

> The menu language changes to Arabic.

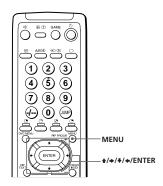


To go back to the normal screen

Press MENU.

Adjusting the A/V CONTROL setting

The A/V CONTROL menu allows you to adjust the picture and sound settings.



1 Press MENU.



Press ♠ or ♦ to move the cursor (▶) to ♠, then press ENTER.



Press ♣ or ♣ to move the cursor (▶) to the desired option (see the table below), then press ENTER.



| Select | То | | |
|--|--|--|--|
| DYNAMIC | receive high contrast pictures with powerful sound. | | |
| STANDARD | receive normal contrast pictures with medium listening sound. | | |
| SOFT | receive mild pictures with soft sound. | | |
| PERSONAL VIDEO ADJUST* AUDIO ADJUST* | receive the last picture/sound settings that are adjusted using "VIDEO ADJUST*" and "AUDIO ADJUST*". | | |
| TILT CORRECT | adjust the picture tilt when it is not aligned to the TV screen. | | |
| * When | n vou select "VIDEO ADILIST" or "AUDIO ADILIST" options for | | |

When you select "VIDEO ADJUST" or "AUDIO ADJUST", options fo your selection are displayed (see below).

Adjusting the VIDEO ADJUST settings

Press ★/→/*/* to adjust the selected item, then press ENTER.



| For | Press ₹/← to | Press d d d d d d d d d | | |
|---------|--|------------------------------------|--|--|
| PICTURE | decrease picture contrast | increase picture contrast | | |
| COLOR | decrease color intensity | increase color intensity | | |
| BRIGHT | darken the picture | brighten the picture | | |
| HUE* | make picture tones reddish make picture tones greenish | | | |
| SHARP | soften the picture sharpen the picture | | | |
| VM | decrease emphasis on picture edges | increase emphasis on picture edges | | |
| | * You can adjust HUE for the NTSC color system only. | | | |

Repeat the above step to

adjust other items.

Adjusting the AUDIO ADJUST settings

1 Press ♦/♦/♦/ to adjust the selected item, then press ENTER.



| For | Press ♦/◆ to | Press ♦ / ⇒ to | |
|---------|------------------------------------|-------------------------------------|--|
| BASS | decrease the bass | increase the bass | |
| TREBLE | decrease the treble | increase the treble | |
| BALANCE | increase the left speaker's volume | increase the right speaker's volume | |

2 Repeat the above step to adjust other items.

To go back to the normal screen

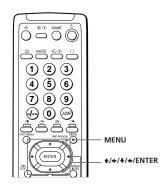
Press MENU.

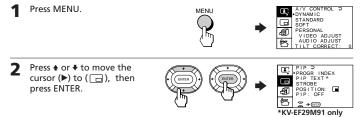
Tip

• For details on the menu system and how to use the menu, refer to the "Introducing the menu system" section on page 26.

Adjusting the PIP setting

The PIP menu allows you to use the Picture-in-Picture (PIP) feature.





Press ♠ or ♣ to move the cursor (▶) to the desired option (see the table below), then press ENTER.

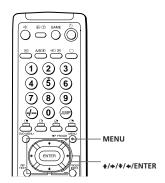


| Select | То | | | | |
|-------------|--|--|--|--|--|
| PROGR INDEX | view multiple programs on the nine sub-screens. To cancel, select "PROGR INDEX" or "PIP: OFF", then press ENTER. Or press PROGR INDEX or ⚠ on the remote. | | | | |
| PIP TEXT* | display a Teletext page on the PIP screen. Press $\bullet/\bullet/\bullet/\bullet$ to select the desired Teletext page. To cancel, select "PIP: OFF", then press ENTER. Or press PIP TEXT, $\bigcirc, \multimap \textcircled{\oplus}$, or PROGR +/- on the remote. | | | | |
| STROBE | view slow motion movement on the nine sub screens. To cancel, select "STROBE" again or "PIP: OFF", then press ENTER. Or press □, → ⊕ ⊕, or PROGR +/-, or ● on the remote. | | | | |
| POSITION | change the position of the PIP screen. Press ◆/◆/◆/◆ to select the desired position, then press ENTER To cancel, press MENU. | | | | |
| PIP | display a sub screen within the main picture. Press ♦/♦/♦/♦ to select "ON", then press ENTER. To cancel, press [⑤] or select "OFF", then press ENTER. | | | | |

• For details on the menu system and how to use the menu, see the "Introducing the menu system" section on page 26.

Adjusting the FEATURES setting

The FEATURES menu allows you to optimize the screen for video games, enjoy "surround" sound effects, and select the output signal of the TV broadcast or the connected equipment.



1 Press MENU.







2 Press ♠ or ♦ to move the cursor (▶) to (✍), then press ENTER.



Press ★ or ★ to move the cursor (►) to the desired option (see the table below), then press ENTER.



| Select | То | | |
|------------------------------|---|--|--|
| GAME MODE | view a video game screen | | |
| HYPER SURROUND | enjoy "surround" sound effects of a concert hall or movie theater. Press ♦/♦/♦/♦ to select "DOLBY VIRTUAL", "MOVIE", "MUSIC", "NEWS <bbe¹>", "HALL<srs²>", or "SPACE³" (see below for details on each item).</srs²></bbe¹> | | |
| AV OUT (advanced rec-out) | select the signal output through the → (Monitor/TV output) terminal. Press */*/*/* to select "TV" (to output the TV broadcast signal) or "MONITOR" (to output the signal of the equipment connected to the TV). | | |

Description of adjustable HYPER SURROUND items

| Select | То | | |
|------------------------|--|--|--|
| DOLBY VIRTUAL | listen to Dolby Surround encoded sound. | | |
| MOVIE | listen to sound that emphasizes the bass audio effect of a movie theater. | | |
| MUSIC | listen to dynamic and clear sound that emphasizes the low and high sound. | | |
| NEWS <bbe 1)=""></bbe> | listen to sound that emphasizes voice. | | |
| HALL <srs 2)=""></srs> | listen to sound that spreads out over a large area, giving the feeling of being at a concert hall. | | |
| SPACE 3) | listen to monaural sound with a stereo-like effect. | | |
| OFF | turn off the "surround" sound. | | |

¹⁾ The BBE is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and the BBE symbol are the trademarks of BBE Sound, Inc.

To go back to the normal screen

Press MENU.

. . .

- Do not change the channel and the input selection while recording with a VCR through the (⇒) (Monitor/TV output) jacks. If you change the channel and the input selection, it also changes the channel and input selection that you are recording.
- The signals of the PROGRAM INDEX, STROBE, PIP modes, and the Teletext broadcast cannot be output even though "MONITOR" is selected.

Tip

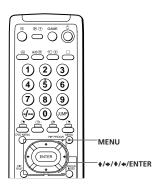
• For details on the menu system and how to use the menu, see the "Introducing the menu system" section on page 26.

²⁾ The (●) ® SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. The word "SRS" and the SRS symbol (●) are registered trademarks of SRS Labs, Inc.

³⁾ SPACE uses SRS MONO.

Adjusting the PRESET setting

The PRESET menu allows you to adjust the setup of your TV. For example, you can receive a channel with a weak signal that fails to be tuned in by automatic presetting. In addition, the PRESET menu offers other setup options, such as changing the menu language.



Presetting channels manually

1 Press MENU.









Press ★ or ♥ to move the cursor (►) to (🕾), then press ENTER.







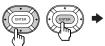
Press ♠ or ♥ to move the cursor (▶) to TV SYS, then press ENTER.







4 Press ♠/→/♦/ until your local TV system appears on the menu, then press ENTER.



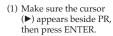


Press ★ or ♥ to move the cursor (►) to MANUAL PROGRAM, then press ENTER.



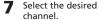


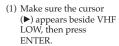
Select the program position to which you want to preset a channel.



(2) Press **♦**/**♦**/**♦** until the program position you want appears on the menu, then press ENTER.







(2) Press **♦**/**♦**/**♦** until the desired channel picture appears on the TV screen, then press ENTER.



To go back to the normal screen

Press MENU.

- · If the TV signal is too strong and the picture is distorted, select "MANUAL PROGRAM" from the PRESET menu, then select "ATT (attenuator) ON"
- The TV system and the ATT (attenuator) settings are memorized for each program position.
- · If you do not know your local TV system, consult your nearest Sony dealer or authorized service center.

continued

Adjusting the PRESET setting (continued)

Changing other PRESET menu options







Press ♠ or ♥ to move the cursor (►) to (些), then press ENTER.



Press ★ or ♥ to move the cursor (►) to the desired option, then press ENTER.



| Select | To change the menu language (page 27) | | | | |
|----------------|---|--|--|--|--|
| LANGUAGE | | | | | |
| AUTO PROGRAM | preset channels automatically | | | | |
| MANUAL PROGRAM | preset channels manually. See "Presetting channels manually" on page 34. | | | | |
| TV SYS | select the TV system. See "Presetting channels manually" on page 34. | | | | |
| COLSYS | select the color system. Normally, set this to "AUTO". | | | | |
| SKIP | skip unwanted or unused program positions. 1 Press ◆/◆ until the unused or unwanted program position appears, then press ENTER. 2 Select "ON", then press ENTER. 3 To disable other program positions, repeat steps 1 and 2. To put the skipped program position back on, select "OFF" in step 2. | | | | |

To go back to the normal screen

Press MENU.

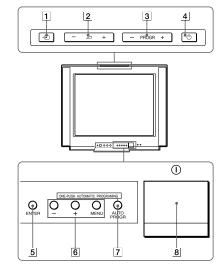
Tip

• For details on the menu system and how to use the menu, refer to the "Introducing the menu system" section on page 26.

Identifying parts and controls

Refer to the pages indicated in parentheses () for details.

Front panel

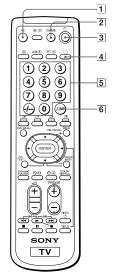


- 1 (TV/video) button (10)
- 2 4/- (volume) buttons (10)
- 3 PROGR +/- (program) buttons (9)
- 4 ((power) button (9)
- 5 ENTER button (26)
- 6 MENU +/- buttons (26)
- 7 AUTO PROGR (program) button (5)
- 8 ① (main power) button (9)

continued

Identifying parts and controls (continued)

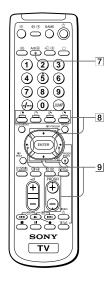
Remote



- 1 × (muting) button (10)
- 2 GAME button (23)
- 3 (power) button (9)
- 4 □ (TV) button (10)
- 5 Number buttons (9)
- 6 JUMP button (10)

Names/symbols of buttons on the remote are indicated in different colors to represent the available functions.

| Label color | Button function | | |
|-------------|---|--|--|
| White | For general TV operations | | |
| Green | For Teletext operations | | |
| Yellow | For PIP and PROGRAM INDEX operations | | |

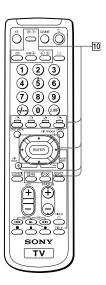


- 7 A/B button (KV-EF29M91 only) (18)
- 8 PIP operation buttons (14 15)
 - (TV/video)
 - (freeze)
 - (swap)
 - (PIP)
 - **♦/♦**/ENTER—for PIP PROGR
- 9 PROGRAM INDEX operation buttons (16 - 17)

PROGR INDEX

♦/♦/♦/ENTER

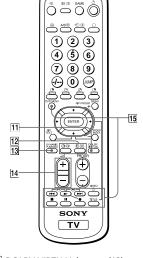
PROGR +/-



- 10 Teletext operation buttons (KV-EF29M91 only) (20-22)
 - (text)
 - (enlarge)
 - (?) (reveal)
 - (hold)
 - \square Red
 - ☐ Green
 - ☐ Yellow

 - (index)

 - PIP TEXT
 - **♦/♦/♦/**ENTER



- 11 DOLBY VIRTUAL button (13)
- 12 Timer setting buttons (11)
 - ④ (wake up timer)
 - (4) (sleep timer)
- 13 DYNAMIC P(power). BASSO button
- 14 \(\text{(volume) +/- buttons (10)}
- 15 DVD, VCR, MDP, CD, MD operation buttons (25)

DVD MENU

- ▶►I/⊕ (fastforward/search forward)
- (play)
- I◀◀/❸ (rewind/search

backward)

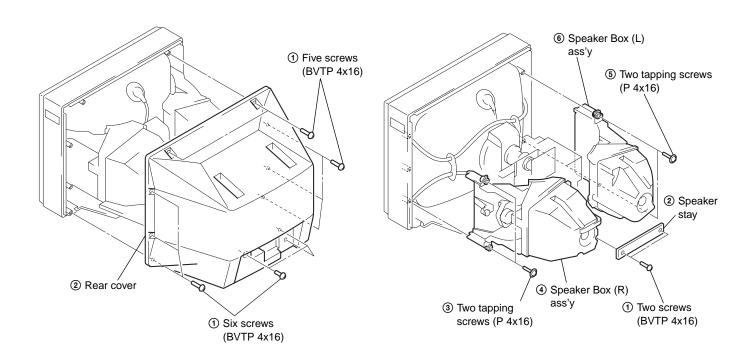
- (record)
- (stop)
- II (pause) VIDEO () (power)

TITLE

SECTION 2 DISASSEMBLY

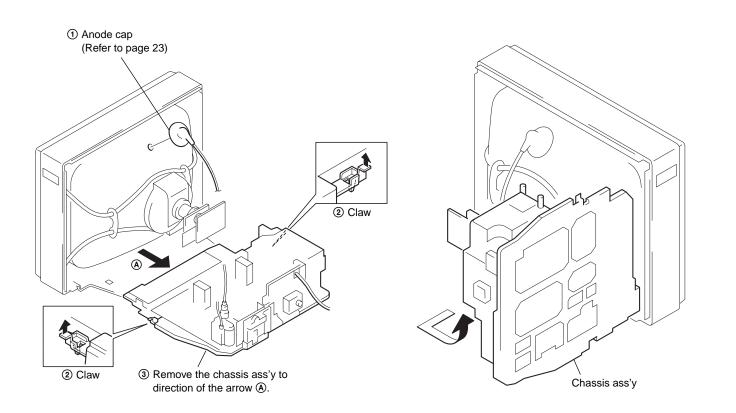
2-1. REAR COVER REMOVAL

2-2. SPEAKER BOX ASS'Y REMOVAL

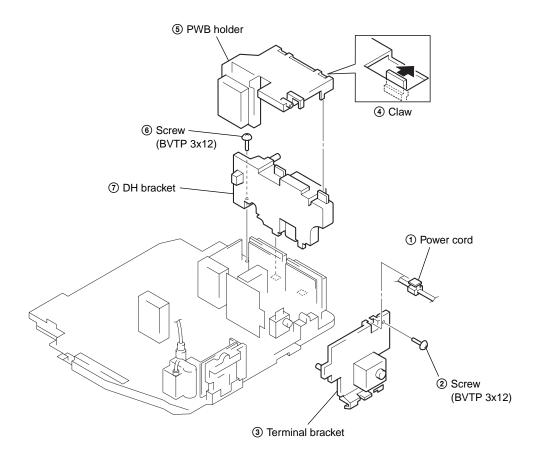


2-3. CHASSIS ASS'Y REMOVAL

2-4. SERVICE POSITION



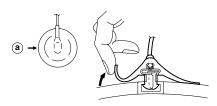
2-5. TERMINAL BRACKET, PWB HOLDER, DH BRACKET REMOVAL



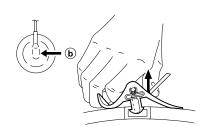
REMOVAL OF ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon painted on the CRT, after removing the anode.

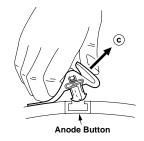
• REMOVING PROCEDURES



1 Turn up one side of the rubber cap in the direction indicated by the arrow a.



② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⓑ.

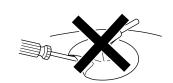


When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ©.

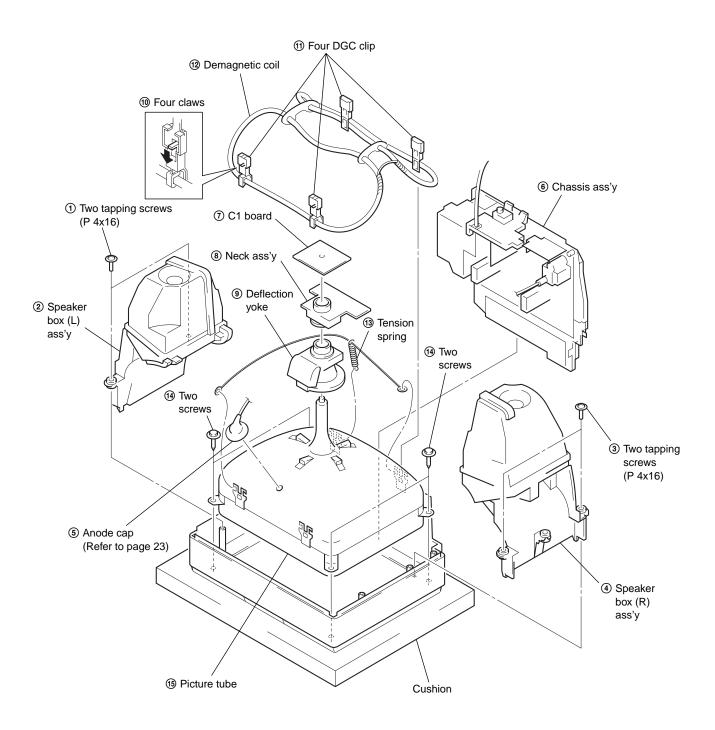
• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with shartp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps! A material fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.

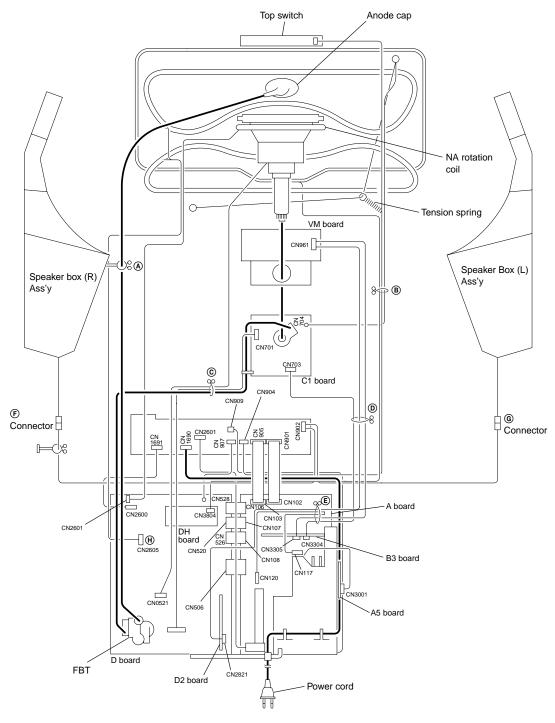




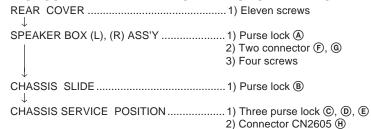
2-6. PICTURE TUBE REMOVAL



2-7. WIRING HARNESS LAYOUT



• DISASSEMBLED IN THE ORDER SHOWN BELOW



SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:

PICTURE control RESET

BRIGHTNESS control CENTER

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. White Balance

Note: Test Equipment Required.

- 1. Color-bar/Pattern Generator
- 2. Degausser
- Oscilloscope

Preparations:

- In order to reduce the influence of geomagnetism on the set's picture tube, face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

1. Input a white signal with the pattern generator.

Contrast
Brightness normal

- 2. Position neck ass'y as shown in Fig3-2.
- 3. Set the pattern generator raster signal to a red raster.
- 4. Move the deflection yoke to the rear and adjust with the purity control so that the red is at the center and the blue and the green take up equally sized areas on each side.

(See Figures 3-1 through 3-3.)

- 5. Move the deflection yoke forward and adjust so that the entire screen is red. (See Figure 3-1.)
- 6. Switch the raster signal to blue, then to green and verify the condition.
- When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws and DY spacers.
- 8. If the beam does not land correctly in all the corners, use a magnet to adjust it.

(See Figure 3-4.)

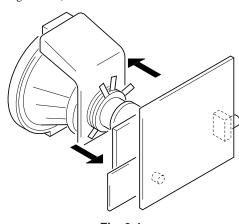
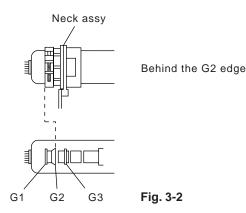


Fig. 3-1



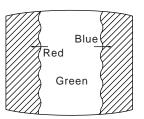
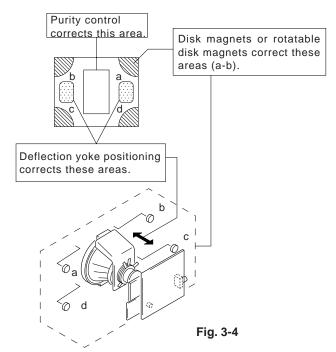


Fig. 3-3

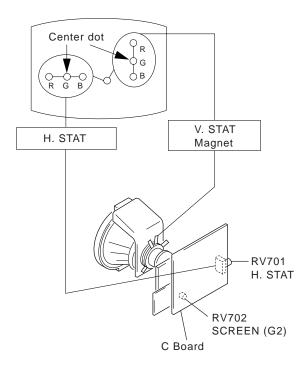


3-2. CONVERGENCE

Preparations:

- Before starting this adjustment, adjust the focus, horizontal size and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

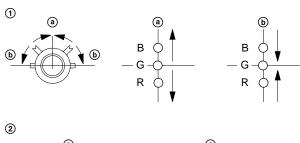
(1) Horizontal and Vertical Static Convergence

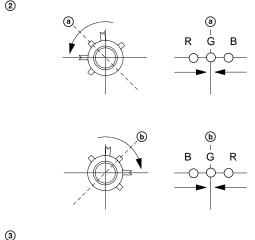


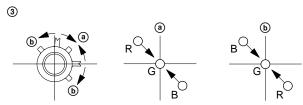
- (Moving horizontally), adjust the H.STAT control so that the red, green and blue points are on top of each other at the center of the screen.
- (Moving vertically), adjust the V.STAT magnet so that the red, green and blue points are on top of each other at the center of the screen.
- 3. If the H.STAT variable resistor cannot bring the red, green and blue points together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V.STAT magnet in the manner given below. (In this case, the H.STAT variable resistor and the V.STAT magnet influence each other.)

Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

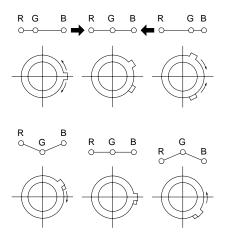
If the V.STAT magnet is moved in the direction of the ⓐ and ⓑ arrows, the red, green, and blue points move as shown below.



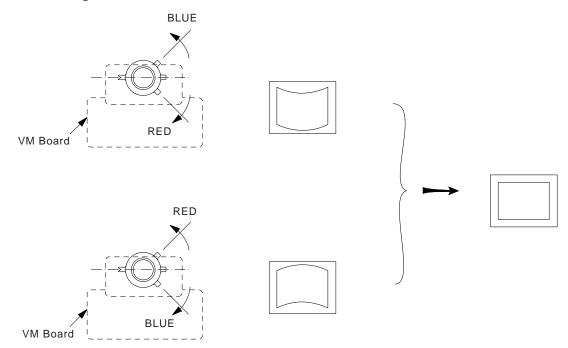




Operation of BMC (Hexapole) Magnet
 If the red, green and blue dots are not balanced or aligned, then use the BMC magnet to adjust in the manner described below.



- 1 Y separation axis correction magnet adjustment receive the cross-hatch signal and adjust [PICTURE] to [MIN] and [BRIGHTNESS] to [STANDARD] .
- 2 Adjust the Y separation axis correction magnet on the neck assembly so that the horizontal lines at the top and bottom of the screen are straight.



- **Note** 1) The Red and Blue magnets should be equally far from the horizontal center line.
 - 2) Do not seperate the Red and Blue magnets too far. (Less than 8 mm)

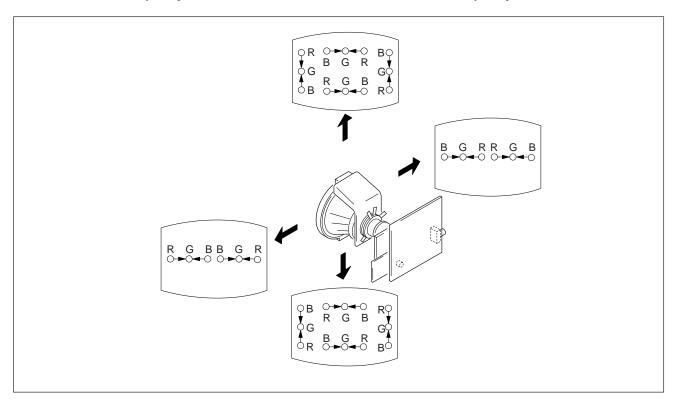
Use the H.STAT VR to adjust the red, green, and blue dots so

(2) Dynamic Convergence Adjustment

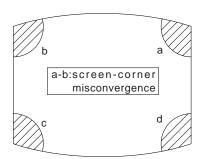
Preparation:

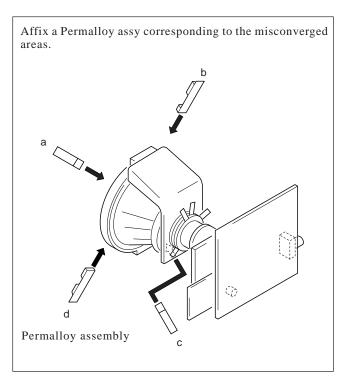
- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence
- 1. Slightly loosen the deflection yoke screws.
- 2. Remove the deflection yoke spacer.

- 3. Move the deflection yoke as shown in the figure below and optimize the convergence.
- 4. Tighten the deflection yoke screws.
- 5. Install the deflection yoke spacer.



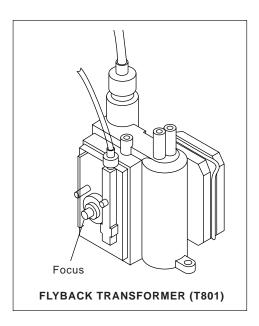
(3) Screen-corner Convergence





3-3. FOCUS ADJUSTMENT

Adjust FOCUS control on the flyback transformer for the best focus.



a. AN ITEM OF ADJUSTMENT

| Item number | Adjustment item | Standard DATA | Note |
|----------------|-----------------|---------------|----------------|
| 39 | SBR | 24 | SUB-BRIGHTNESS |
| 3B | GDR | 1D | G. Drive |
| 3C | BDR | 20 | B. Drive |
| 3D | GCF | 07 | G. CUT-OFF |
| 3E | BCF | 08 | B. CUT-OFF |

b. METHOD OF CANCELLATION FROM SERVICE MODE

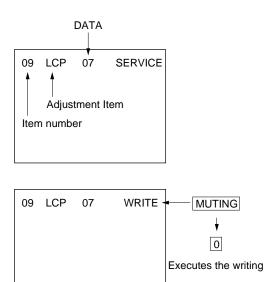
Set the standby condition (Press POWER button on the commander), then press POWER button again, hereupon it becomes TV mode.

c. METHOD OF WRITE FOR MEMORY

- 1) Set to Service Mode.
- 2) Press 1 (UP) and 4 (DOWN), select an item of adjustments.
- 3) Press MUTING button indicate WRITE (RED) on screen.
- 4) Press **0** button to write into memory.

d. MEMORY WRITE CONFIRMATION METHOD

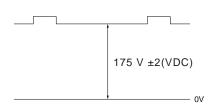
- 1) After adjustment, pull out the plug from AC outlet, and then plug into AC outlet again.
- 2) Turn the power switch ON and set to Service Mode.
- 3) Call the adjusted items again to confirm adjustments were made.



3-4. G2 (SCREEN) AND WHITE BALANCE ADJUSTMENTS

1. G2 (SCREEN) ADJUSTMENT (RV701)

- 1) Set the PICTURE and BRIGHTNESS to normal.
- 2) Put to VIDEO input mode without signals.
- 3) Set to Service Mode.
- 4) Change BLU data of the item number 8E from 01 to 00. (To turn off Blue Back.)
- 5) Press MUTING, and 0 to write the data in the memory.
- 6) Connect R, G, and B of the C board cathode to the oscilloscope.
- 7) Adjust G2 (RV702) volume to the value below.



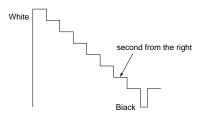
- 8) Re-set BLU data of the item number 8E from 00 back to 01.
- 9) Press MUTING, and **0** to write the data in the memory.

2. WHITE BALANCE ADJUSTMENTS

- 1) Set to service Mode.
- 2) Input white raster signal.
- 3) Set the PICTURE to minimum.
- 4) Select SBR(39) with **1** and **4**, and then set the level to minimum with **3** and **6**.
- 5) Select GCF(3D) and BCF(3E) with 1 and 4. And adjust the level with 3 and 6 for the best white balance.
- 6) Set the PICTURE to maximum.
- 7) Select GDR(3B) and BDR (3C) with 1 and 4, and adjust the level with 3 and 6 for the best white balance.
- 8) Write into the memory by pressing MUTING then **0**.

3. SUB BRIGHT ADJUSTMENT

- 1) Set to service mode.
- Input a staircase signal of black and white from the pattern generator.
- 3) BRIGHTNESS RESET. PICTURE minimum
- 4) Select SBR(39) with 1 and 4, and adjust SBR level with 3 and 6 so that the stripe second from the right is dimly lit.



SECTION 4 SELF DIAGNOSIS FUNCTION

If no acknowledgement is returned from a device which is turned "ON", the device has a problem. In this case, one of the LED's responding to the problem device will flicker a defined number of times.

The flickering frequency responding to each failed device is shown below.

| Board name | A Board | A Board | A Board | A Board |
|-------------------------|-----------------------|-------------------------|------------------------|------------------------------------|
| Ref. No. | IC003 | IC1201 | IC104 | IC206 |
| Device | NONVOLATILE MEMORY | AV SWITCH (CXA1855S) | MAIN Y/C (CXA2050S) | SURROUND PROCESSOR (TDA8424) |
| Flickering Frequency | 1 | 2 | 3 | 6 |

All the devices are checked one after another from the left on the table.

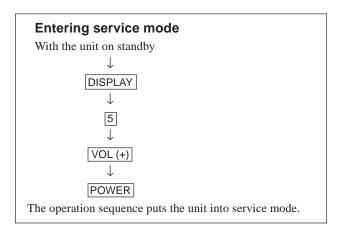
If an error is found, the responding LED will start flickering.

So, if more than 2 devices are failed, the one on the left side will start flickering first.

SECTION 5 CIRCUIT ADJUSTMENTS

5-1. ADJUSTMENTS WITH COMMANDER

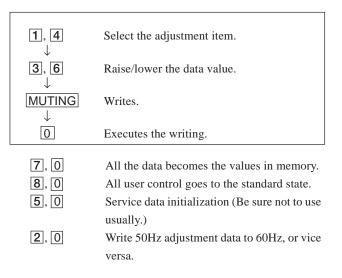
Service adjustments are made with the RM-881 that comes with this unit.



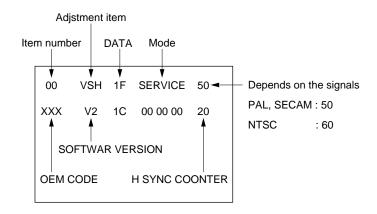


RM-881

SONY TV



The screen display is:



5-2. ADJUSTMENT METHOD

Item Number 00

This explanation uses V-Position as an example.

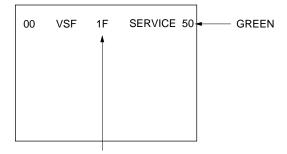
- 1. Select 00 VSH with the **1** and **4** buttons.
- 2. Raise/lower the data with the **3** and **6** buttons.
- 3. Select the optimum state. (The standard is IF for PAL reception.)
- 4. Write with the MUTING button. (The display changes to WRITE.)
- 5. Execute the writing with the **0** button. (The WRITE display will be changed back to SERVICE.)

Use the same method for Items Number 00-99. Use 1 and 4 to select the adjustment item, use 3 and 6 to adjust, write with MUTING, then execute the write with **0**.

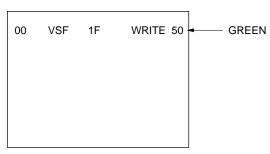
Note: In WRITE, the data of all items are into memory.

• As for V-FREQ, by searching the bolded screen V range with adjusting data.

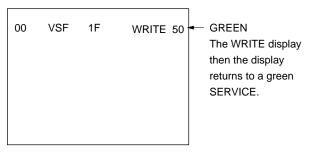
Note: For adjustment Items that have differnt standard data between 50Hz or 60Hz and novwel or wid, be sure to use the respective input signal ather adjusting.



Adjusted with 3 and 6 buttons



Written with MUTING



Write executed with 0

Adjustment Item Table

| Item Display | Adj Item | Data Range | Std Values | Register Name | Device |
|-----------------|-------------|----------------|---------------|----------------------|----------|
| | | | | | OVA2050C |
| 00 01 | VSH VSZ | 00~3F 00~3F | 1B 21 | V POSITION V SIZE | CXA2050S |
| | | | | | |
| 02 | HSH HSZ | 00~0F | 07 | H POSITION | |
| 03 | | 00~3F | 12 | H SIZE | |
| 04 | SCR | 00~0F | 06 | S CORRECTION | |
| 05 | VLN | 00~0F | 08 | V LINEARITY | |
| 06 | PAP | 00~3F | OE | PIN COMP | |
| 07 | PPH | 00~0F | 05 | PIN PHASE | |
| 08 | UCP | 00~0F | 05 | UP CORNER PIN | |
| 09 | LCP | 00~0F | 05 | LOW CORNER PIN | |
| 0A | BOW | 00~0F | 05 | AFC-BOW | |
| 0B | ANG | 00~0F | 09 | AFC-ANGLE | |
| 0C | VAP | 00~3F | 2F | V ASPECT | |
| 0D | VSC | 00~3F | 1F | V SCROLL | |
| 0E | ULN | 00~0F | 00 | UP V LINEARITY | |
| 0F | LLN | 00~0F | 00 | LOW V LINEARITY | |
| 10 | EHH | 00~03 | 00 | EHT-H | |
| . • | | | 00 | | |
| 11 | EHV | 00~03 | 01 | EHT-V | |
| | 2111 | 00 00 | 01 | | |
| 12 | HBS | 00~01 | 01 | H BLK WID.ON/OFF | |
| 13 | LBK | 00~01 00~0F | 0F | L BLK WIDTH | |
| | | | | | |
| 14 | RBK | 00~0F | 0F | R BLK WIDTH | |
| 15 | JSW | 00~01 | 00 | JUMP ON/OFF SW | |
| 16 | VBW | 00~03 | 02 | V BLK WID.CON. | |
| 17 | AFC | 00~03 | 01 | AFC-MODE | |
| | | | 03 | | |
| 18 | FHH | 00~01 | 00 | FH-HI | |
| 19 | VFQ | 00~03 | 00 | V-FREQ | |
| 1A | VOF | 00~01 | 00 | V OFF | |
| 1B | VMD | 00~01 | 00 | CD-MODE2 | |
| 1C | CMD | 00~01 | 00 | CD-MODE | |
| 1D | TTL | 00~03 | 00 | INTERLACE | |
| 1E | ZSW | 00~01 | 00 | ZOOM SW | |
| 1F | POV | 00~03 | 03 | PRE-OVER | |
| 20 | CT1 | 00~01 | 01 | C-TRAP(NTSC) | |
| 21 | CT2 | 00~01 | 01 | C-TRAP(PAL) | |
| 22 | CFO | 00~0F | 07 | C-TRAP fo ADJ | |
| 23 | SFO | 00~01 | 00 | SHARPNESS fo ADJ | |
| 24 | TOT | 00~01 | 01 | TOT FILTER SW | |
| 25 | CSW | 00~01 | 00 | COLOR SW | |
| 26 | XTL | 00~03 | 00 | XTAL | |
| 20 | X1L | 00~03 | 00 | AIAL | |
| 27 | CV4 | 00.01 | 01 | CV/VC SEL(NTSC) | |
| 27 | CV1 | 00~01 | | CV/YC SEL(NTSC) | |
| 28 | CV2 | 00~01 | 01 | CV/YC SEL(PAL) | |
| 29 | VM | 00~01 | 01 | VM ON/OFF | |
| 2A | YVM | 00~01 | 00 | YS1/VM SW(0:YS1) | |
| 2B | DPC | 00~01 | 01 | D-PIC ON/OFF | |
| 2C | DCO | 00~01 | 01 | DYNAMIC COLOR | |
| 2D | GMM | 00~03 | 01 | GAMMA | |
| 2E | DTR | 00~01 | 01 | DC-TRANSIENT | |
| 2F | DL1 | 00~07 | 03 | DELAY CTRL(PAL) | |
| | | | 03 | | |
| 30 | DL2 | 00~07 | 03 | DELAY CTRL(NTSC) | |
| | | | 03 | ` ´ | |
| 31 | DL3 | 00~07 | 03 | DELAY CTRL(SECAM) | |
| | | · - | 03 | · · · · / | i |

Note: Items are fixed data.

Adjustment Item Table

| Item | Adj | Data | Std | Register | Device |
|----------------|------------|----------------|----------|--|----------|
| Display | Item | Range | Values | Name | Device |
| 32 | DL4 | 00~07 | 07 | DELAY AT DVD(50Hz) | |
| 33 | DL5 | 00~07 | 07 | DELAY AT DVD(60Hz) | |
| 34 | SCN | 00~0F | 09 | SUB-CONTRAST | |
| 35 | SC1 | 00~0F | 0B | SUB-COLOR(OTHER) | |
| 36 | SC2 | 00~0F | 0B | SUB-COLOR(NTSC) | |
| 37 | SH1 | 00~0F | 04 | SUB-HUE(TV) | |
| 38 | SH2 | 00~0F | 07 | SUB-HUE(VIDEO) | |
| 39 | SBR | 00~3F | 24 | SUB-BRIGHT | |
| 3A | SSH | 00~07 | 04 | SUB-SHARPNESS | |
| | | | 02 | | |
| 3B | GDR | 00~3F | 1D | G-DRIVE | |
| 3C | BDR | 00~3F | 20 | B-DRIVE | |
| 3D | GCF | 00~0F | 07 | G-CUTOFF | |
| 3E | BCF | 00~0F | 08 | B-CUTOFF | |
| 3F | RPO | 00~03 | 01 | 0F[01] | |
| | | | 02 | | |
| 40 | PON | 00~01 | 01 | PIC-ON | |
| 41 | RON | 00~01 | 01 | R ON | |
| 42 | GON | 00~01 | 01 | G ON | |
| 43 | BON | 00~01 | 01 | BON | |
| 44 | AKF | 00~01 | 00 | AKB ON/OFF SW | |
| 45 | ESY | 00~01 | 00 | EXT SYNC SEL | |
| | | | 00 | | |
| 46 | AGG | 00~01 | 00 | AGING MODE ON/OFF | |
| 47 | ABL | 00~01 | 00 | ABL PIC/PICandBRT SW | |
| | | | | (1:PIC ONLY) | |
| 48 | LIM | 00~01 | 00 | RGB LIMIT ON/OFF | |
| | | | | (1:ON) | |
| 49 | PB | 00~01 | 01 | PICTURE BOOSTER | TDA9170 |
| 4A | BOF | 00~01 | 01 | BLACK OFFSET | 15/101/0 |
| 4B | UVG | 00~3F | 1F | USER VAR.GAMMA | |
| 4C | ADG | 00~3F | 1F | ADAPTIVE GAMMA | |
| 4D | NLA | 00~3F | 05 | NON-LINEAR AMP | |
| 4E | WDS | 00~02 | 00 | WINDOW SELECT | |
| 4F | LST | 00~0F | 07 | WINDOW LINE START | |
| 50 | LSP | 00~0F | 07 | WINDOW LINE STOP | |
| 51 | FST | 00~0F | 07 | WINDOW FIELD START | |
| 52 | FSP | 00~0F | 07 | WINDOW FIELD STOP | |
| | + | | | F | OVA4045 |
| 53 54 | VA | 00~01 00~03 | 01 02 | V APERTURE ON/OFF V APERTURE WHITE | CXA1315 |
| | VAW | | | | |
| 55 | VAB | 00~03 | 02 | V APERTURE BLACK | |
| 56 | VAC | 00~0F | 02 | V APERTURE CORE | |
| 57 | SHP | 00~3F | 25 | SHARPNESS | CXA1315 |
| == | | | 20 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | |
| 58 | VMH | 00~3F | 29 | VM LIMITTER(HIGH) | |
| 59 | VML | 00~3F | 1C | VM LIMITTER(LOW) | |
| 5A | COR | 00~3F | 1C | CORING | |
| | 202 | | 1C | DO0 055057 | |
| 5B | DOF | 00~3F | 15 | DSC OFFSET | |
| 5C | DGA | 00~3F | 1F | DSC GAIN | |
| 5D | DLT | 00~01 | 01 | DELAY TIME | <u> </u> |
| 5E | SDL | 00~0F | 00 | SEL PIN DELAY | SDA9189X |
| 5F | POH | 00~FF | 14 | H POSITION(MSB 8bit) | |
| . ^^ | POV | 00~FF | 27 | V POSITION | |
| 60 | | | | | |
| 60 61 62 | HDL AMS | 00~1F 00~01 | 0B 00 | HSI DELAY DECIMATION FILTER | |

Note: ____ Items are fixed data.

Adjustment Item Table

| Item | Adj | Data | Std | Register | Device |
|----------|------------|----------------|----------|-----------------------------|-----------|
| Display | Item | Range | Values | Name | |
| 63 | VDL | 00~1F | 0B | VSI DELAY | |
| 64 | VSP | 00~1F | 0D | VSP DELAY | |
| 65 | CON | 00~0F | 06 | CONTRAST | |
| 66 67 | FRY | 00~0F | 09 | FRAME Y | |
| 67 68 | FRV FRU | 00~0F 00~0F | 00 00 | FRAME V FRAME U | |
| 69 | INF | 00~01 | 01 | INNER FRAME | |
| 6A | FWV | 00~01 | 02 | FRAME WIDTH V | |
| 6B | FWH | 00~03 | 07 | FRAME WIDTH H | |
| 6C | PLL | 00~03 | 02 | PLL LOOP FILTER | |
| 6D | PDV | 00~0F | 00 | PEDESTAL V | |
| 6E | PDU | 00~0F | 00 | PEDESTAL U | |
| 6F | DAT | 00~01 | 00 | DAC STREAM CONTROL | |
| 70 | DAN | 00~01 | 00 | DAC CONTROL | |
| 71 | FAW | 00~FF | 08 | NICAM FAW THRESH | MSP3410 |
| 72 | CTM | 00~FF | 08 | NICAM ERROR BIT(MONO) | |
| 73 | CTN | 00~FF | 50 | NICAM ERROR BIT(NICAM) | |
| 74 | WCD | 00~FF | 0A | W.G.DATA CHANGE | |
| 75 | WST | 00~FF | 15 | W.G.STEREO THRESHOLD | |
| 76 | WTM | 00~FF | 50 | W.G.TIMER | |
| 77 | WBT | 00~01 | EA | W.G.BILINGUAL THRESHOLD | |
| 78 | AGC | 00~01 | 01 | AGC AUTO/CONST | |
| 79 | CDB | 00~3F | 28 | AGC GAIN CONST | |
| 7A | FGP | 00~7F | 24 | FM(BG,I,DK)PRESCALE | |
| 7B 7C | EMP | 00~7F | 40 | FM(M)PRESCALE | |
| 7C 7D | WGP NIP | 00~7F 00~7F | 3C 7F | W.G PRESCALE NICAM PRESCALE | |
| 75 7E | CRM | 00~7F | 00 | CARRIER MUTE | |
| 7F | CML | 00~01 | 00 | CARRIER MUTE LEVEL | |
| 80 | ACO | 00~03 | 01 | AUDIO CLOCK OUT | |
| 81 | WAC | 00~0F | 01 | W.G.AGREEMENT COUNT | |
| 82 | DLY | 00~FF | 30 | STEREO SEARCH DELAY | |
| 83 | DLG | 00~FF | 10 | W.G.SEARCH DELAY | |
| 84 | TXP | 00~0F | 0E | TEXT PICTURE CONT | SAA5261 |
| 85 | MXP | 00~0F | 0F | TEXT MIX MODE PIC | 071710201 |
| 86 | TXH | 00~03 | 00 | TEXT DISPLAY POSITION(H) | |
| 87 | BB1 | 00~3F | 1D | BBE CONTROL HIGH | CXA1315 |
| 88 | BB2 | 00~3F | 1D | BBE CONTROL MIDDLE | |
| 89 | BB3 | 00~3F | 28 | BBE CONTROL LOW | |
| 8A | ATW | 00~03 | 00 | AUTO WIDE IDENTSPEED | CXP5068 |
| 8B | BKP | 00~FF | 00 | BLK OFF PICTURE | CXP85340 |
| 8C | OSH | 00~3F | 0D | OSD POSITION H | |
| 8D | ODL | 00~FF | 10 | POWER ON DELAY | |
| 8E | BLU | 00~01 | 01 | BLUE BACK ON/OFF | |
| 8F | ROC | 00~0F | 0F | N/S CENTER VOL | |
| 90 | ROS | 00~07 | 07 | USER SET UP | |
| 91 | DKS | 00~01 | 01 | D/K STEREO SEARCH | |
| 92 | MUT | 00~01 | 01 | NO SYNC MUTE | |
| 93 | DID | 00~01 | 00 | DISABLE DEGAUSS | |
| 94 | DWZ | 00~01 | 00 | DISABLE WIDEZOOM | |
| 95 | BCS | 00~01 | 00 | BASS CENTER SHIFT | |
| 96 | RVS | 00~01 | 00 | BASS VOLUME SHIFT | |
| 97 | WBS | 00~03 | 00 | WOOFER OFF BASS SHIFT | |
| 98 99 | OP0 OP1 | 00~FF 00~FF | C1 3E | OPTION 0 OPTION 1 | |
| 33 | OF I | 00~FF | JE | OI HOW I | |

Note: Items are fixed data.

ITEM INFORMATION

- 50 ··· 50Hz data, 60 ··· 60Hz data
- Standard data listed on the Adjustment Item Table are reference values, therefore if is different for every mode.

OP 0

| ITEM | _ | _ | _ | _ | _ | _ | _ | FAS TEXT |
|-----------------|---|---|---|---|---|---|---|----------|
| M61,M80,M90,M91 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| M31 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

OP 1

| ITEM | WIDE | WOOFER | TILT | VM | COMB TYPE | COMB FILTER | SECAM | B/G ONLY |
|-----------------|------|--------|------|----|-----------|-------------|-------|----------|
| M61,M80,M90,M91 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| M31 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |

• 98 OP0, 99 OP1

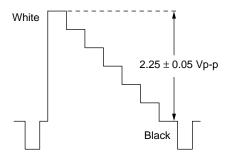
 $\begin{array}{ll} \mbox{Fastext} & : 0 \rightarrow \mbox{Automatic mode, 1} \rightarrow \mbox{Fastext mode} \\ \mbox{B/G only} & : 0 \rightarrow \mbox{Multi system, 1} \rightarrow \mbox{B/G system only} \\ \mbox{Comb type} & : 0 \rightarrow \mbox{Glass comb filter, 1} \rightarrow \mbox{Digital comb filter} \\ \end{array}$

Wide : $0 \rightarrow 4:3 \text{ model}$, $1 \rightarrow 16:9 \text{ model}$

5-3. PICTURE QUALITY ADJUSTMENTS

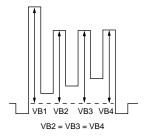
SUB CONTRAST ADJUSTMENT (SNC)

- 1. Receive a PAL color-bar.
- 2. Set service item 42 GON and 43 BON to data "00". Set the PICTURE 100%, BRIGHTNESS 50% and COLOR MIN.
- 3. Connect an oscilloscope to the pin **(6)** (R OUT) of CN117, A board.
- 4. Set to Service Mode and select 34 SCN using $\boxed{1}$ and $\boxed{4}$ of the commander, then adjust to 2.25 ± 0.05 V using $\boxed{3}$ and $\boxed{6}$.
- 5. Press $\boxed{\text{MUTING}} \rightarrow \boxed{0}$ of the commander to write the data.
- 6. Receive a NTSC color-bar and adjust 34 SCN as step 2 to 5.
- 7. Set service item 42 GON and 43 BON to data "01".



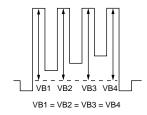
SUB COLOR ADJUSTMENT (SCO)

- 1. Input a PAL color-bar.
- Set service item 4D NLA to data "00".
 Set to the following condition:
 PICTURE 100%, BRIGHTNESS 50%, COLOR 50%
- Connect an oscilloscope to the pin (4) (B OUT) of CN117, A board.
- 4. Set to Service Mode and select 35 SC1 with 1 and 4 of the commander then adjust to VB2=VB3=VB4 with 3 and 6.
- 5. Press $\boxed{\text{MUTING}} \rightarrow \boxed{0}$ of the commander to write the data.
- 6. Adjust 36 SC2 as step 2 to 5 when receiving NTSC colorbar.
- 7. Set service item 4D NLA to data "05" and write the data.



SUB HUE ADJUSTMENT (SH2)

- 1. Select Video 1.
- 2. Input a NTSC color-bar, video into video 1.
- Set the following condition: PICTURE 100%, BRIGHTNESS 50%, COLOR 50%.
- Connect an oscilloscope to the pin (4) (B OUT) of CN117, A board.
- 5. Select 38 SH2 with 1 and 4 of the commander by setting to Service Mode and adjust to VB1=VB2=VB3=VB4 with 3 and 6.



6. Press $\boxed{\text{MUTING}} \rightarrow \boxed{0}$ of the commander to write the data.

5-4. DISPLAY POSITION ADJUSTMENT

PIP POSITION (POH, POV)

- 1. Receive a PAL color-bar.
- 2. Set the PIP picture by pressing PIP button on the commander.
- 3. Set to Service Mode.
- 4. Select 5F POH with the **1** and **4** on the commander and set the data "14" with **3** and **6**.
- 5. Select 60 POV to set the data "27".
- 6. Press $\boxed{\text{MUTING}} \rightarrow \boxed{\mathbf{0}}$ on the commander to write the data.
- 7. Check by changing the PIP position using the on-screen menu.

5-5. A BOARD ADJUSTMENT AFTER IC003 (MEMORY) REPLACEMENT

When replacing IC003 (MEMORY) be sure to change IC001 (μ -COM) to the following new IC at the same time.

IC001 (µ-COM)

- **GE, EM, E, HK model** CXP85452-090S
- ME (Arabic) model CXP85452-091S
- 1. Enter to Service Mode.
- Press commander buttons 5 and 0 (Data Initialize), and
 and 0 (Data Copy) to initialize the data.
- 3. Call each item number, and check if the respective screen shows the normal picture.

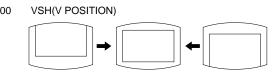
In cases where items are not well adjusted, rectify the items with fine adjustment.

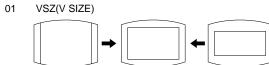
Write the data per each item nubmer ($\boxed{\text{MUTING}} + \boxed{0}$).

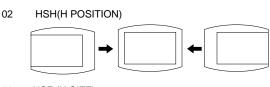
- Select item numbers "98" (OP0) and "99" (OP1) and respectively set the bit per model with commander buttons
 and 6.
- Press commander buttons 8 and 0 (Test Normal) to return to the data that was set on the shipment from the factory. (This will also cancel Service Mode.)

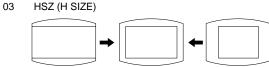
5-6. PICTURE DISTORTION ADJUSTMENT

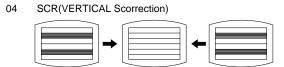
Item Number 00 - 0B



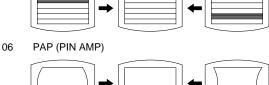


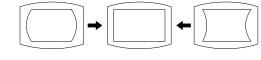


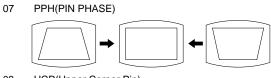


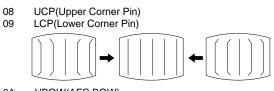


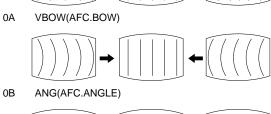




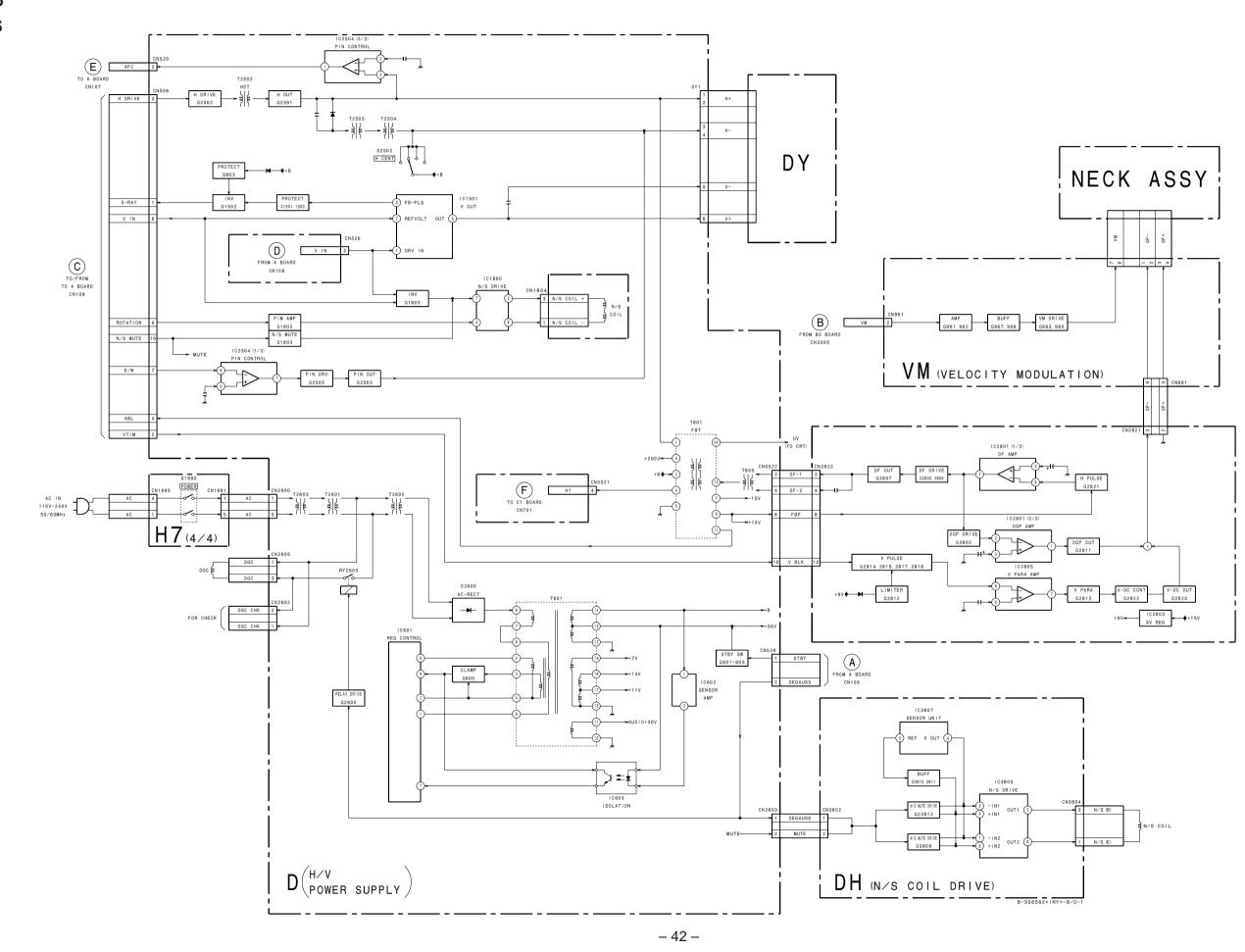




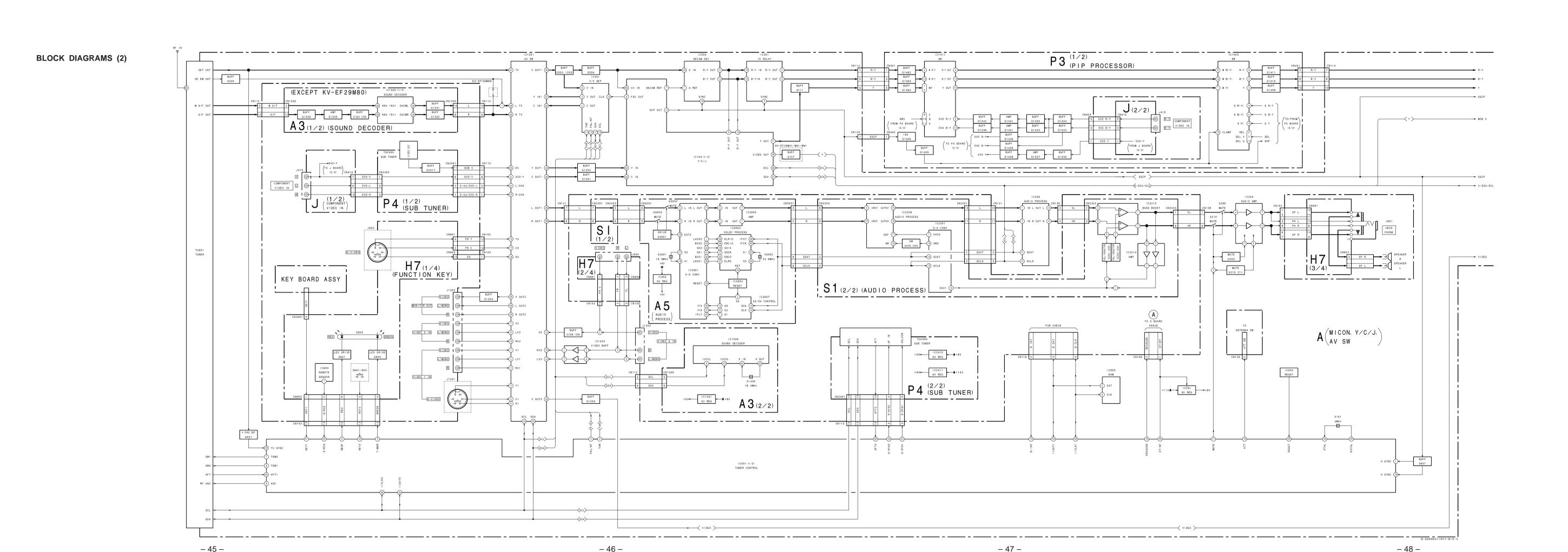




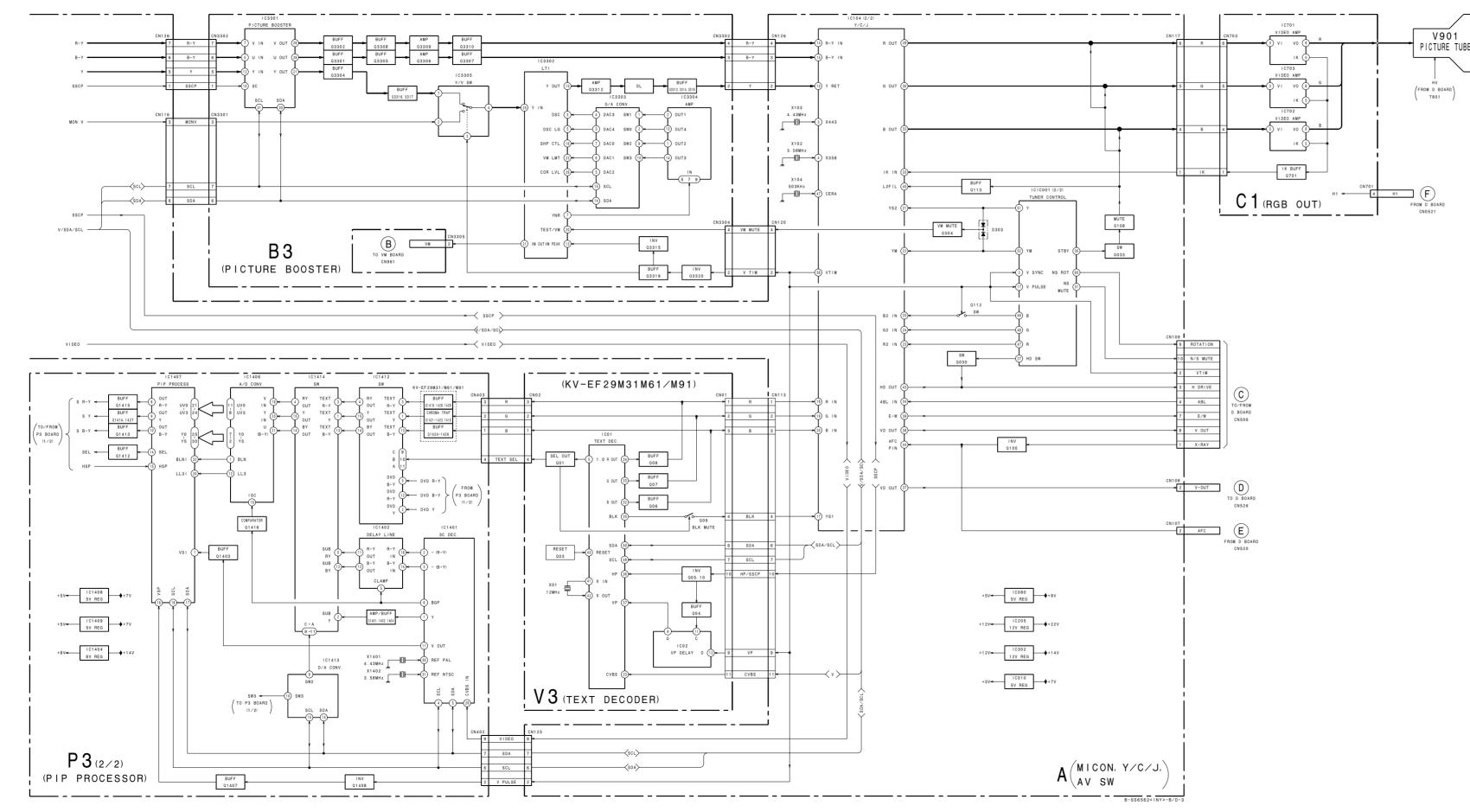
6-1. BLOCK DIAGRAMS (1)



– 41 –

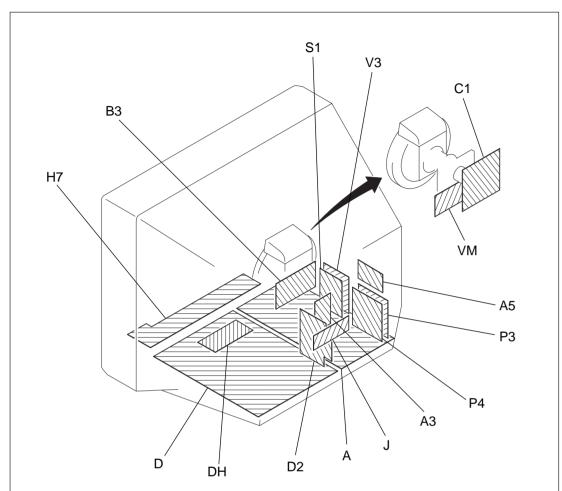






-50 - -51 -

6-2. CIRCUIT BOARD LOCATION



6-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted. (pF: μμF)
 Capacitors without voltage indication are all 50 V.

Pitch: 5 mm
Rating electrical power 1/4 W (CHIP: 1/10 W)

- All resistors are in ohms.in onflammable resistor.
- tusible resistor.
 Δ : internal component.
- Imple to a signation, and adjustment for repair.

 All variable and adjustable resistors have characteristic curve B,
- # : earth-chassis.
- All voltages are in V.
- Readings are taken with a 10 M digital multimeter.
 Readings are taken with a color-bar signal input.
- Veduings are taken with a color-bal signal input.
 Voltage variations may be noted due to normal production
- * : Can not be measured.
- NO MARK: PAL
- < > : SECAM () : NTSC 3.58 MHz
- Circled numbers are waveform references.
- = : B + bus. • = = : B - bus.
- \Longrightarrow : Signal path.

| Reference i | nformation | |
|-------------|------------|------------|
| RESISTOR | · RN | METAL FILM |

| RESISTOR | : RN | METAL FILM |
|-----------|---------|--------------------------|
| | : RC | SOLID |
| | : FPRD | NONFLAMMABLE CARBON |
| | : FUSE | NONFLAMMABLE FUSIBLE |
| | : RW | NONFLAMMABLE WIREWOUND |
| | : RS | NONFLAMMABLE METAL OXIDE |
| | : RB | NONFLAMMABLE CEMENT |
| COIL | : LF-8L | MICRO INDUCTOR |
| CAPACITOR | : TA | TANTALUM |
| | : PS | STYROL |
| | : PP | POLYPROPYLENE |
| | : PT | MYLAR |
| | : MPS | METALIZED POLYESTER |
| | : MPP | METALIZED POLYPROPYLENE |
| | | |

: ALB BIPOLAR

: ALT HIGH TEMPERATURE : ALR HIGH RIPPLE

Terminal name of semiconductors in silk screen

| pri | printed circuit (*) | | | | | | | | | | |
|-----|---------------------|----------------|--|------------------------------|--|--|--|--|--|--|--|
| | Device | Printed symbol | Terminal name | Circuit | | | | | | | |
| 1 | Transistor | T | Collector Base Emitter | ° ° | | | | | | | |
| 2 | Transistor | | Collector Base Emitter | | | | | | | | |
| 3 | Diode | | Cathode Anode | • | | | | | | | |
| 4 | Diode | T | Cathode Anode (NC) | <u> </u> | | | | | | | |
| (5) | Diode | | Anode (NC) | ↓ • | | | | | | | |
| 6 | Diode | T | Common Anode Cathode | | | | | | | | |
| 7 | Diode | | Anode Cathode | (M. M) | | | | | | | |
| 8 | Diode | T | Anode Anode | | | | | | | | |
| 9 | Diode | | Common Anode Anode | (N.M) | | | | | | | |
| 10 | Diode | T | Common Cathode Cathode | | | | | | | | |
| 11) | Diode | _ | Cathode Cathode | | | | | | | | |
| 12) | Diode | | Anode Anode Cathode Anode | | | | | | | | |
| 13 | Transistor (FET) | | Drain Source Gate | | | | | | | | |
| 14) | Transistor (FET) | H | Drain Source Gate | so so | | | | | | | |
| 15) | Transistor (FET) | | □ Source □ Drain □ Gate | | | | | | | | |
| 16 | Transistor | | ☐ Emitter☐ Collector☐ Base | | | | | | | | |
| 17) | Transistor | ++ | C2 B1 E1 E2 B2 C1 | B10 0E2 OB2 | | | | | | | |
| 18 | Transistor | ++ | C1 B2 E2 E1 B1 C2 | C10 OC2 B10 1 0 B2 | | | | | | | |
| 19 | Transistor | _ | C1 B2 E2 E1 B1 C2 | E10 0E2 | | | | | | | |
| 20 | Transistor | _ | C1 B2 E2 E1 B1 C2 | B10 0E2 C10 0C2 | | | | | | | |
| 21) | Transistor | _ | E2 B1 E1 C2 C1(B2) | C1(B2) | | | | | | | |
| 22 | Transistor | _ | B1 E1 E2 C1 C2 | E1(B2)Q QE2 B1Q C1Q QC2 | | | | | | | |
| 23 | Transistor | | E2 E1 B1 C2 C1 | E1(B2) Q QC2 B1 Q C1Q QC2 | | | | | | | |
| | I | | | | | | | | | | |

Discrete semiconductot

(Chip semiconductors that are not actually used are included.)

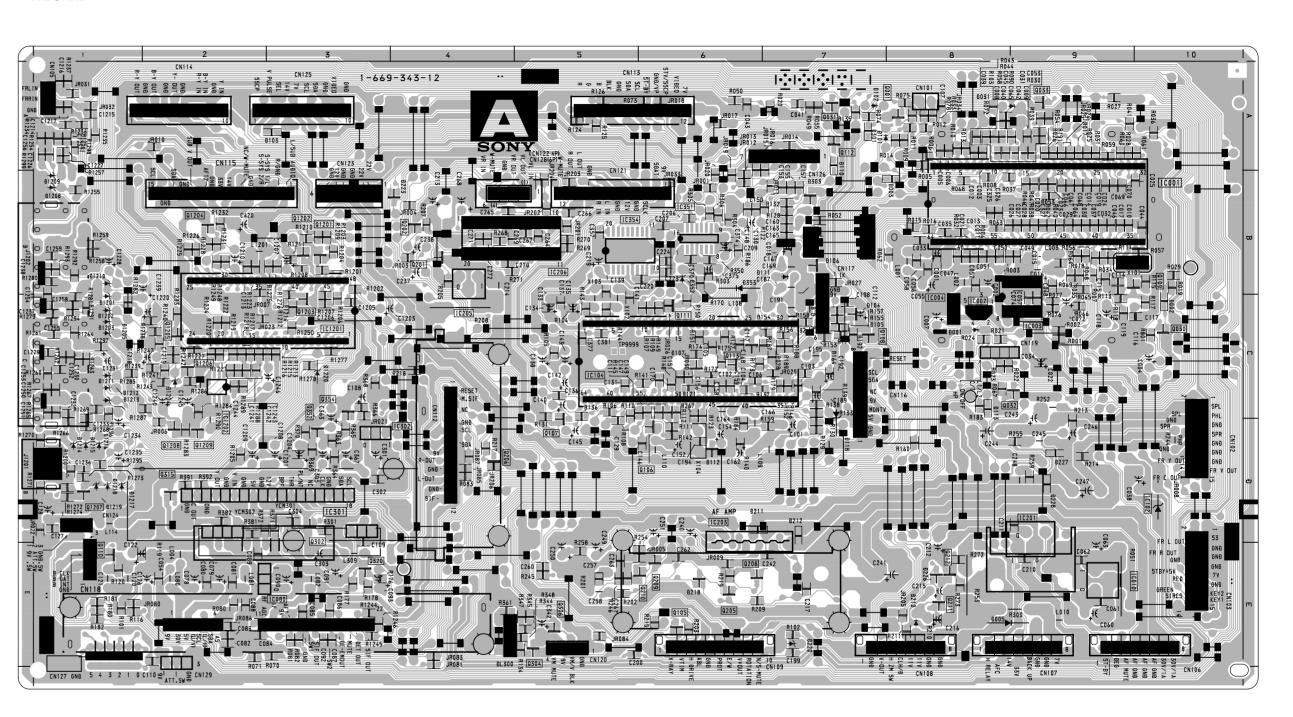
A BOARD SEMICONDUCTOR LOCATION

| IC | | Г | OIODE | |
|--|--|---|--|-----------------------|
| IC001 B-9 IC002 C-8 IC003 C-9 IC010 E-9 IC080 E-2 IC102 D-10 IC104 C-6 IC201 D-9 IC203 E-6 IC205 C-4 IC206 B-5 IC301 D-2 IC302 D-3 IC351 B-6 IC354 B-5 IC1201 C-3 IC1202 C-2 | | D001 D002 D005 D101 D102 D103 D104 D105 D106 D107 D111 D112 D117 D118 D210 D211 D211 | C-8 C-10 E-9 A-7 A-7 A-3 C-7 C-6 A-7 B-7 D-6 C-6 C-7 E-8 E-6 E-7 | * 3 3 3 9 4 9 4 9 9 9 |
| TRANSISTOR | | D218 D220 D301 | E-6 E-7 A-7 | ® 3 |
| Q001 A-8 Q030 C-10 Q031 A-7 Q033 A-9 Q105 E-6 Q106 D-6 Q107 D-5 Q118 C-7 Q111 C-6 Q112 A-7 Q113 C-6 Q205 E-6 Q209 E-6 Q209 E-6 Q210 E-6 Q211 E-8 Q302 D-3 Q304 E-5 Q320 E-3 Q354 C-3 Q354 C-3 Q354 C-3 Q1201 B-3 | * 0000000000000000000000000000000000000 | D303 D352 D353 D1201 D1202 D1203 D1204 D1205 D1208 D1209 D1210 D1211 D1212 D1213 D1214 D1215 D1216 D1217 D1218 D1218 | B-7 B-6 B-6 C-1 C-1 C-2 C-1 B-1 B-1 C-1 C-1 C-1 D-1 D-1 D-1 D-1 D-1 C-3 | 8 |
| Q1202 B-3 | 1 1 | CF | RYSTAL | |
| Q1203 C-3 Q1204 B-2 Q1205 C-2 Q1206 C-2 Q1207 D-1 Q1208 D-2 Q1209 D-2 | \bigcirc | X101 X102 X103 X104 | B-10 C-5 B-5 D-6 | |

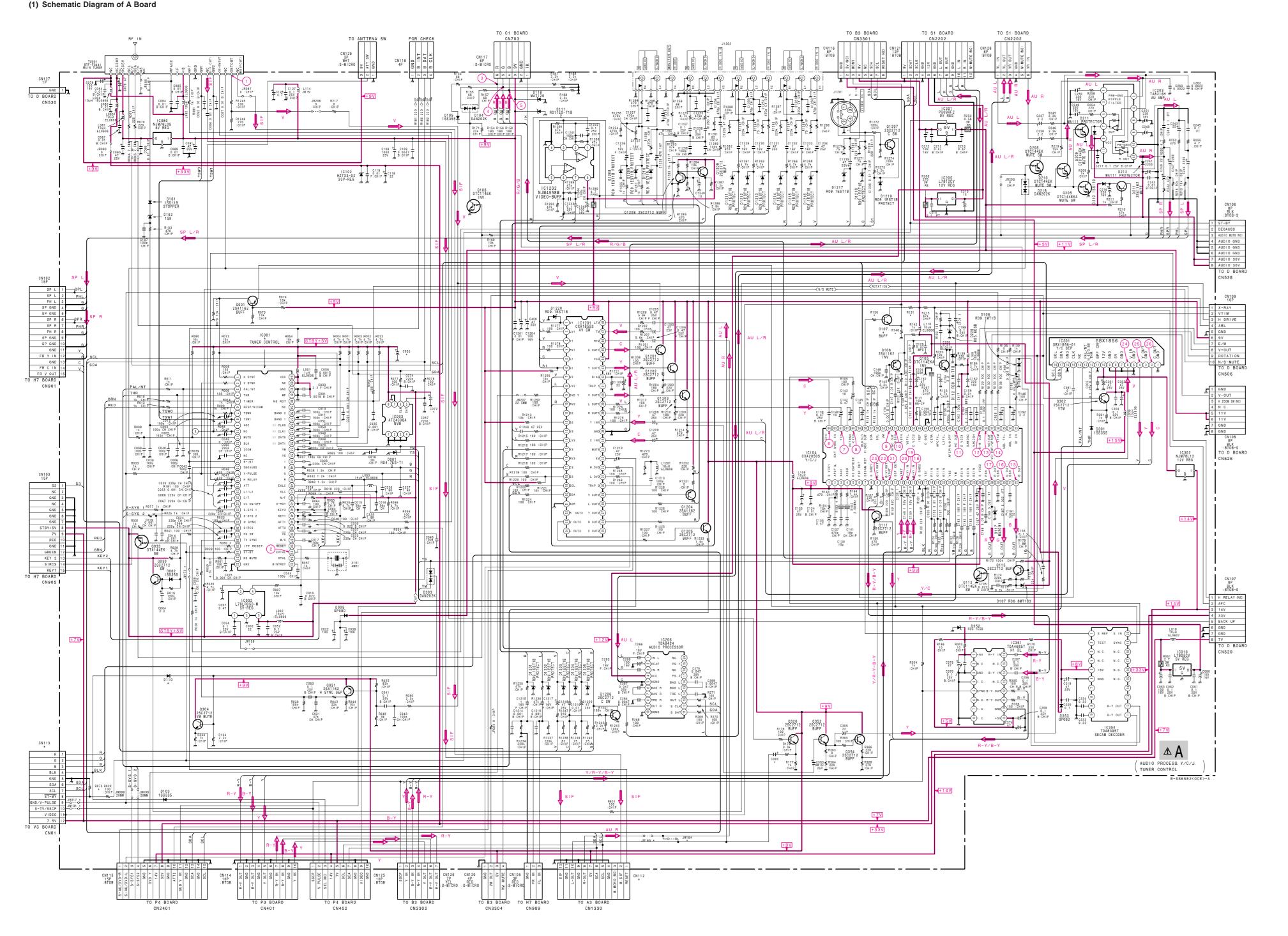
*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 55)



— A BOARD —

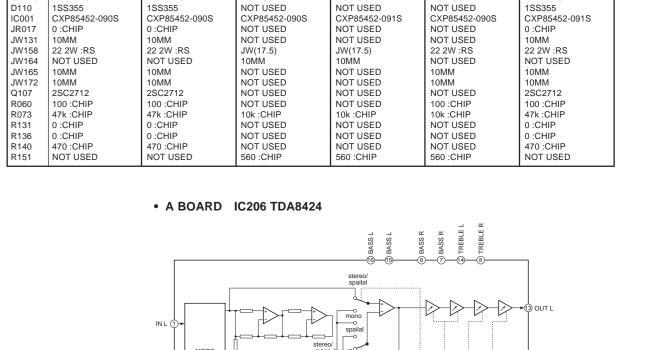


-56 - -57 - -58 -



• A BOARD WAVEFORMS

| 1 | 2 | 3 | 4 | (5) | 6 PAL |
|-----------------|---------------------|--|-----------------|--|--|
| | | J. J | | `b¦ <u>o</u> ut√b¦out | + |
| 2.4 Vp-p (H) | 3.3 Vp-p (4MHz) | 3.1 Vp-p (H) | 2.8 Vp-p (H) | 2.7 Vp-p (H) | 0.9 Vp-p (H) |
| 6 SECAM | 6 NTSC 3.58 | 7 | 8 PAL | 8 SECAM | 8 NTSC 3.58 |
| | -H4[[[]]]-H4[[]]]- | Longloom | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| 0.5 Vp-p (H) | 0.8 Vp-p (H) | 1.1 Vp-p (H) | 1.5 Vp-p (H) | 1.2 Vp-p (H) | 1.2 Vp-p (H) |
| 9 | 10 | (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) | 12 | 13 | 14 |
| 2.2 Vp-p (H) | 1.8 Vp-p (H) | 2.8 Vp-p (H) | 0.6 Vp-p (V) | 1.2 Vp-p (V) | 1.2 Vp-p (V) |
| 15 | 16 | 17) | 18 | 19 | 20 |
| THINT HINT | Def-Def- | | | 47\47\47\4 | المسماليسما |
| 2.7 Vp-p (H) | 2.8 Vp-p (H) | 3.1 Vp-p (H) | 1.9 Vp-p (H) | 1.5 Vp-p (H) | 1.1 Vp-p (H) |
| 21 PAL SECAM | 21 NTSC 3.58 | 22 , Mr. Mr. Mr. | 22 NTSC 3.58 | 23 | 23 NTSC 3.58 |
| الممسماللمسما | \ | | | 47 [47 [44 | alpalp |
| 1.2 Vp-p (H) | 1.7 Vp-p (H) | PAL 1.1 Vp-p (H) SECAM 1.5 Vp-p (H) | 1.5 Vp-p (H) | PAL 0.8 Vp-p (H) SECAM 1.1 Vp-p (H) | 1.3 Vp-p (H) |
| 24 PAL | 24 SECAM | 24 NTSC 3.58 | 25 PAL SECAM | 26 PAL | 26 SECAM |
| | | | 1 | I . | |
| | " Louister Louiste | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | , LFL, LFL, | # | |



CXP85452-091S

330 16V NOT USED 12P :BTOB

CXP85452-091S

NOT USED

XP85452-090S

• A BOARD * MARK PARTS LIST

C072 330 16V C093 NOT USED CN113 12P :BTOB

A BOARD VOLTAGE LIST

26 NTSC 3.58 -H[[]]-H[[]]-

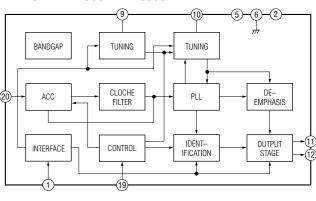
0.6 Vp-p (H)

| Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V |
|-------|----------|-------------|-------|----------|---------------|-------|----------|-------------|--------|--------------|--|----------|----------|-------------|----------|----------|------------|
| IC001 | 1 | 0.6 | | 54 | 4.5 | | 38 | 3.2 | | 15 | 5.9 | | 31 | 4.0 | | В | 0 |
| | 2 | 0.8 | | 55 | 4.9 | | 39 | 4.3 | | 16 | 5.8 | | 32 | 4.0 | | | 44.0 |
| | 3 | 0<0>(4.9) | | 56 | 4.3 | | 40 | 4.2 | IC301 | 2 | 6.6 | | 33 | 4.0 | Q208 | C B | 11.6 0 |
| | 4 | 0 | | 57 | 1.3 | | 41 | 4.9 | 10301 | 4 | 5.5 | | 35 | 4.0 | | Ь | 0 |
| | 5 | 0 | | 58 | 0 | | 43 | 2.5 | | 6 | 4.7 | | 37 | 4.0 | Q209 | С | 0 |
| | 6 | 0 | | 59 | 0.4 | | 44 45 | 3.6 5.3 | | 12 | 0.4 | | 38 | 4.1 | | В | 0 |
| | 7 8 | 0 0 | | 60 | 1.7 | | 45 | 4.4 | | 13 | 0<4.8>(0) | | 39 40 | 4.1 3.9 | Q210 | С | 0 |
| | 9 | 4.9 | IC002 | 1 | 8.8 | | 47 | 2.6 | | 15 | 5.6 | | 40 | 4.1 | QZ10 | В | 0 |
| | 10 | 0 4.9 | | 2 | 5.8 | | 49 | 1.9 | | 17 | 4.8 | | 43 | 4.0 | | | |
| | 11 | 0 | | 4 | 4.9 | | 51 | 2.4 | | 18 | 4.7 | | 45 | 4.0 | Q211 | E | 10.9 |
| | 12 | 4.8 | | | | | 52 | 4.4 | | | | | 46 | 4.0 | | C | 0 |
| | 14 | 1.0 | IC003 | 5 | 4.8 | | 53 | 4.4 | IC302 | I | 15.9 | | 47 | 4.0 | | В | 10.7 |
| | 15 | 4.9 | | 6 | 4.9 | | 54 | 5.0 | | 0 | 12.1 | | 48 | 4.1 | Q302 | Е | 0.3 |
| | 16 | 0 | IC010 | ı | 7.0 | | 55 | 6.4 | IC351 | 5 | 0.7 | <u> </u> | | | 4002 | B | 0.8 |
| | 17 | 0.8 | 10010 | Ö | 4.9 | | 56 | 4.7 | | 11 | 2.9 | IC1202 | | 4.8 | L | <u> </u> | |
| | 18 | 4.8 | | | | | 57 | 4.7 | | 12 | 2.9 | | 2 | 2.4 | Q304 | E | 0 |
| | 19 | 0 | IC080 | | 9.0 | | 58 | 3.7 | | 14 | 1.4 | | 3 | 2.4 | | В | 0 |
| | 20 | 0 | | 0 | 5.0 | | 59 | 4.2 | | 16 | 1.4 | | 5 | 2.4 | Q320 | Е | 2.2 |
| | 21 | 4.9 | IC104 | 2 | 5.0 | | 60 | 4.3 | 10051 | <u> </u> | | | 6 7 | 2.4 4.8 | | В | 2.8 |
| | 22 | 4.9 | 10104 | 3 | 2.7 | | 61 | 5.5 | IC354 | 1 | 1.5 | | / | 4.0 | 0252 | - | 2.0 |
| | 23 | 0 | | 4 | 8.4 | | 62 | 4.3 | | 9 | 3.2 | Q001 | E | 0.9 | Q352 | E B | 2.6 3.3 |
| | 24 | 0 | | 6 | 5.6 | | 63 | 4.7 | | 10 11 | 4.3 5.7 | | С | 0.6 | | Ь | 3.3 |
| | 25 | 0.6 | | 7 | 1.5<5.2>(1.5) | | 64 | 4.4 | | 12 | 5.7 | | В | 0.3 | Q354 | E | 2.0 |
| | 26 27 | 4.8 0 | | 9 | 5.7<3.2>(5.7) | IC201 | 1 | 10.3 | | 19 | 0.8 | | - | | ł | В | 2.6 |
| | 28 | 0.3 | | 10 | 5.7<3.2>(5.7) | | 0 | 9.1 | | 20 | 1.1 | Q030 | E | 0 | Q1201 | E | 3.3 |
| | 29 | 4.8 | | 11 | 4.0 | | SW | 4.5 | | | | | В | 0 | QIZUI | B | 4.0 |
| | 30 | 4.6 | | 12 | 0.9 | 10000 | _ | 4.4 | IC1201 | 1 | 4.1 | Q031 | Е | 8.8 | | | 7.0 |
| | 31 | 0 | | 13 | 5.3 | IC203 | 1 2 | 1.4 0 | | 2 | 4.1 | | В | 9.0 | Q1202 | E | 3.3 |
| | 33 | 1.2 | | 14 | 5.8 | | 4 | 0 | | 3 | 4.0 | <u> </u> | | | | В | 4.0 |
| | 34 | * | | 15 | 5.8 | | 5 | 1.4 | | 4 | 4.0 | Q033 | С | 0 | Q1203 | E | 3.3 |
| | 35 | 2.1 | | 17 | 0 | | 6 | 11.6 | | 5 | 4.0 | | В | 4.5 | Q 1200 | В | 3.9 |
| | 36 | 4.9 | | 18 | 5.8 | | 7 | 16.4 | | 6 | 8.1 | Q105 | С | 3.5 | <u> </u> | | |
| | 37 | 0 | | 19 | 5.8 | | 8 | 5.1 | | 7 8 | 4.0 4.1 | @103 | В | 0.4 | Q1204 | E | 4.6 |
| | 38 | 4.9 | | 20 21 | 5.8 0 | | 11 | 4.2 | | 9 | 4.0 | | | | | В | 4.0 |
| | 39 | 3.7 | | 22 | 0 | | 12 | 15.8 | | 10 | 4.0 | Q106 | E | 5.5 | | | |
| | 40 | 1.8 | | 23 | 5.8 | | <u> </u> | | ł | 12 | 8.1 | l | В | 4.8 | Q1205 | E | 3.4 |
| | 41 | 4.9 | | 24 | 5.8 | IC205 | | 16.0 | | 13 | 4.0 | Q108 | С | 3.0 | | В | 4.0 |
| | 42 | 4.9 | | 25 | 5.8 | | 0 | 11.8 | | 14 | 4.0 | Q100 | В | 0 | | | |
| | 43 44 | 4.9 4.9 | | 27 | 1.8 | IC206 | 1 | 5.8 |] | 15 | 4.0 | | | | 01206 | С | 8.1 |
| | 45 | 2.7 | | 28 | 2.6 | | 2 | 11.7 | | 16 | 4.0 | Q111 | E | 3.2 | Q1206 | В | 0 |
| | 46 | 2.7 | | 29 | 1.8 | | 3 | 5.8 | | 17 | 4.0 | l | В | 3.8 | | Ь | 0 |
| | 47 | 0 | | 30 | 2.3 | | 6 | 5.9 | | 18 | 8.1 | Q112 | С | 0 | Q1207 | С | 8.1 |
| | 48 | 0 | | 31 | 2.1 | | 7 | 5.9 | | 19 | 4.5 | Q112 | В | 0.8 | | В | 0 |
| | 49 | o l | | 32 | 2.1 | | 8 | 5.9 | | 20 | 4.5 | | | | Q1208 | E | 1.7 |
| | 50 | o l | | 33 | 5.6 | | 9 | 5.8 | | 23 | 3.9 | Q113 | E | 2.5 | Q1208 | C | 5.3 |
| | 51 | 0 | | 34 | 1.4 | | 11 | 4.0 | | 26 | 4.1 | | C | 8.9 | | В | 2.4 |
| | 52 | 0 | | 35 | 8.2 | | 12 | 4.6 | | 28 | 4.1 | | В | 2.8 | | | |
| | 53 | 4.9 | | 36 | 0.9 | | 13 | 5.9 | | 29 30 | 3.9 4.0 | Q205 | С | 4.2 | Q1209 | E | 4.7 |
| | | | 1 | 37 | 3.1 | I | 14 | 5.9 | I | 1 30 | 4.0 | | 1 | | I | В | 5.3 |

| A BOA | ARD DESCRIPTIO | N REF. NO. | | REF. NO. | | REF. NO. | |
|--|--|--|--|--|--|---|--|
| IC001 IC002 IC003 IC010 IC080 IC104 IC201 IC203 IC205 IC206 IC301 IC302 | TUNER CONTROL 5V REG NVM 5V REG 5V REG 7/C JUNGLE 9V REG AUDIO AMP 12V REG AUDIO PROCESSOR 7/C SEP 12V REG | IC351 IC354 IC1201 IC1202 Q001 Q030 Q031 Q033 Q105 Q106 Q108 Q111 | 1H DELAY SECAM DEC AV.SW VIDEO BUFF BUFF SW H SYNC SEP SW INVERTER INVERTER BUFF | Q112 Q113 Q205 Q208 Q209 Q210 Q211 Q302 Q304 Q320 Q352 Q354 | SW BUFF MUTE SW MUTE SW MUTE SW MUTE SW MUTE SW MUTE SW MUTE V TIMING VM MUTE BUFF BUFF BUFF | Q1201 Q1202 Q1203 Q1204 Q1205 Q1206 Q1207 Q1208 Q1209 | BUFF BUFF BUFF BUFF CHROMA SW CHROMA SW BUFF BUFF |

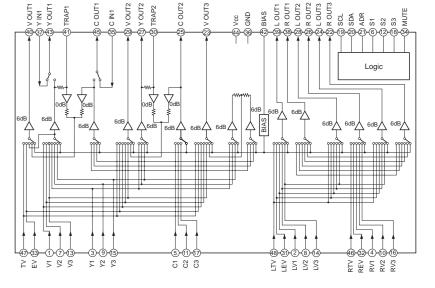
• A BOARD IC354 TDA8395T

• A BOARD IC351 TDA4665T



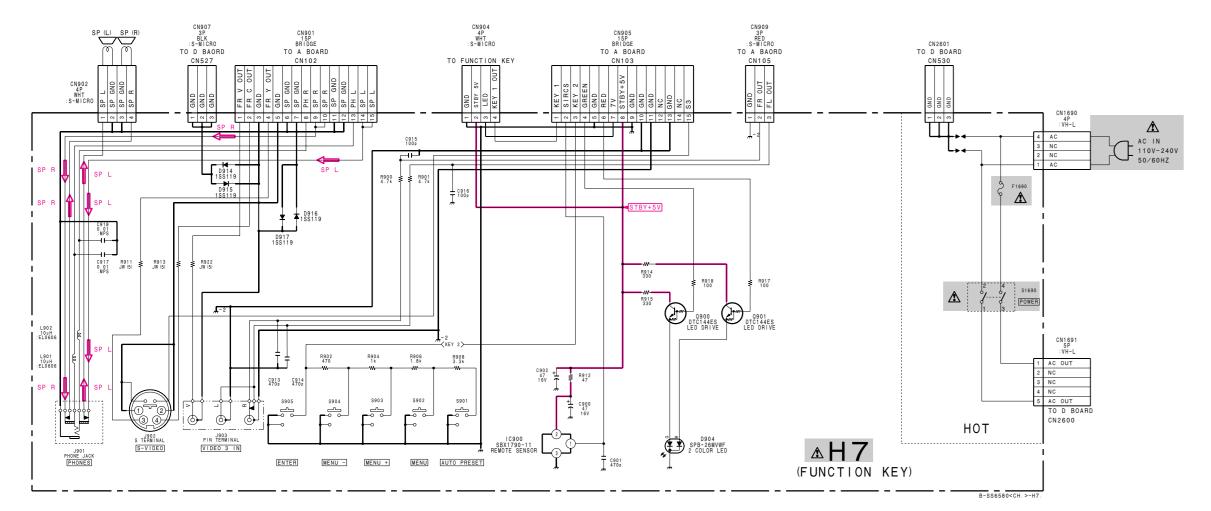
LP GMHz CCO DIVIDER BY 2

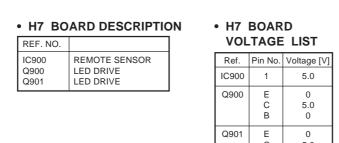
• A BOARD IC1201 CXA1855S

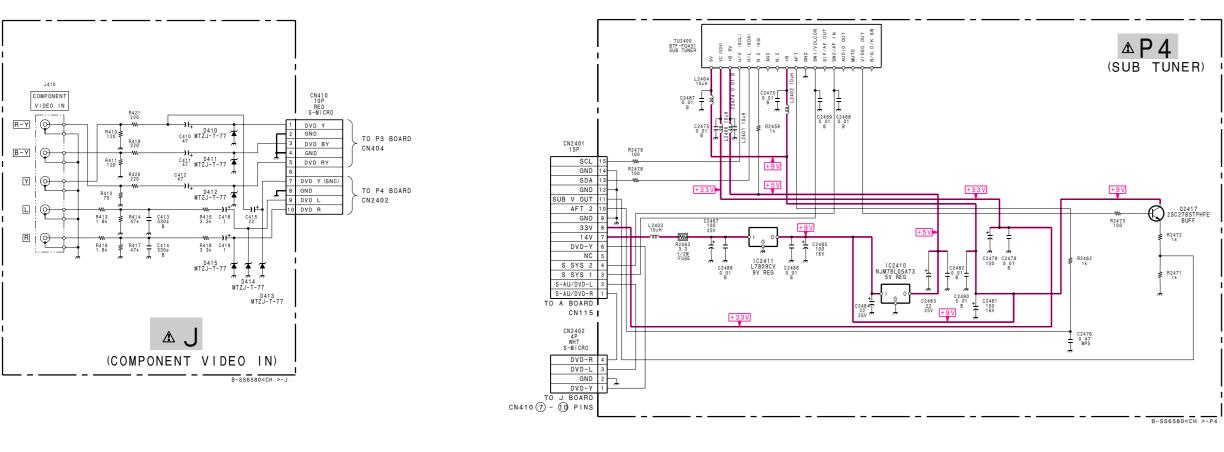


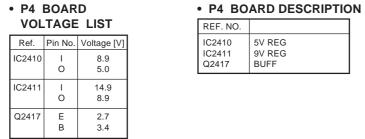
Schematic diagram ← A board

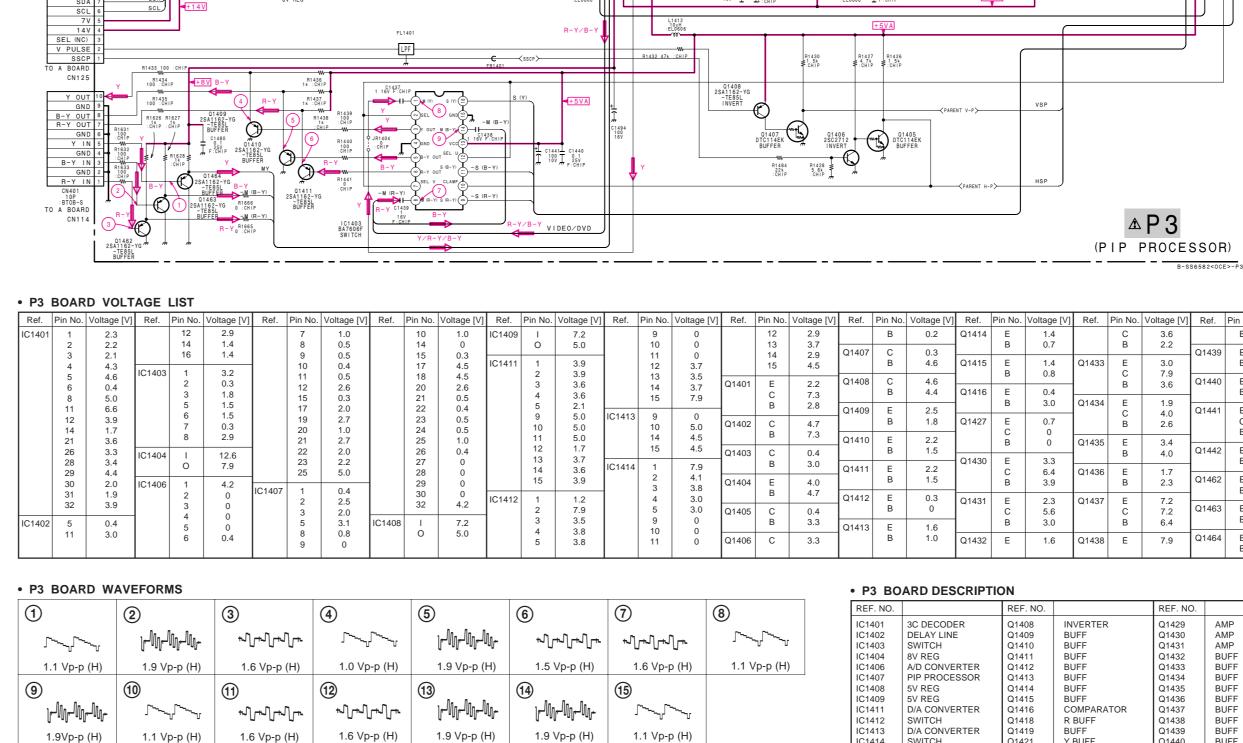
Schematic diagrams H₇ J P₃ P₄ boards →











L C1450 T 0.1 25V F:CHIP

| • P3 E | BOARD * MARK | A PARTS LIST | | | |
|---|--|--|---|---|--|
| Ref No. | KV-EF29M31 | KV-EF29M61 | KV-EF29M80 | KV-EF29M90 | KV-EF29M91 |
| Ref No. C1478 CN403 Q1418 Q1419 Q1421 Q1422 Q1423 Q1424 Q1425 Q1426 Q1429 R1422 R1442 R1443 R1465 R1466 R1467 R1468 R1469 R1470 R1471 R1472 R1473 R1474 R1485 R1489 R1491 | KV-EF29M31 1 16v F:CHIP 5P WHT :S-MICRO 2SA1162 2SC2712 2SA2712 2SA1162 2SC2712 2SA1162 2SC2712 2SA1162 2SC2712 2SC2712 2SC2712 2SC2712 2SC2712 2SC2712 2SC2711 2SC2712 2SC27 | KV-EF29M61 1 16v F:CHIP 5P WHT :S-MICRO 2SA1162 2SC2712 2SA1162 2SC2712 2SA1162 2SC2712 2SA1162 2SC2712 2SC2712 2SC2712 2SC2712 2SC2712 2SC2712 2SC2712 180 :CHIP 180 :CHIP 2.7k :CHIP 2.7k :CHIP 1k :CHIP 1k :CHIP 1k :CHIP 1x :CHIP 1x :CHIP 1x :CHIP 220 :CHIP 220 :CHIP 220 :CHIP 220 :CHIP 220 :CHIP 220 :CHIP | KV-EF29M80 NOT USED | KV-EF29M90 NOT USED | KV-EF29M91 1 16v F:CHIP 5P WHT :S-MICRO 2SA1162 2SC2712 2SA2712 2SA1162 2SC2712 2SA1162 2SC2712 2SC2712 2SC2712 2SC2712 2SC2712 2SC2712 2SC2712 2SC2712 2SC2716 2SC2712 2SC27 |
| R1493 R1494 R1496 R1497 | 1k :CHIP 2.7k :CHIP 1k :CHIP 1k :CHIP | 1k :CHIP 2.7k :CHIP 1k :CHIP 1k :CHIP | NOT USED NOT USED NOT USED NOT USED | NOT USED NOT USED NOT USED NOT USED | 1k :CHIP 2.7k :CHIP 1k :CHIP 1k :CHIP |
| R1497 R1498 R1499 R1629 R1630 | 1k :CHIP 1k :CHIP 1k :CHIP 2.7k :CHIP 1k :CHIP | 1k :CHIP 1k :CHIP 1k :CHIP 2.7k :CHIP 1k :CHIP | NOT USED NOT USED NOT USED NOT USED | NOT USED NOT USED NOT USED NOT USED | 1k :CHIP 1k :CHIP 1k :CHIP 2.7k :CHIP 1k :CHIP |

- 64 -- 65 - **- 66 -**

(PIP PROCESSOR)

REF. NO.

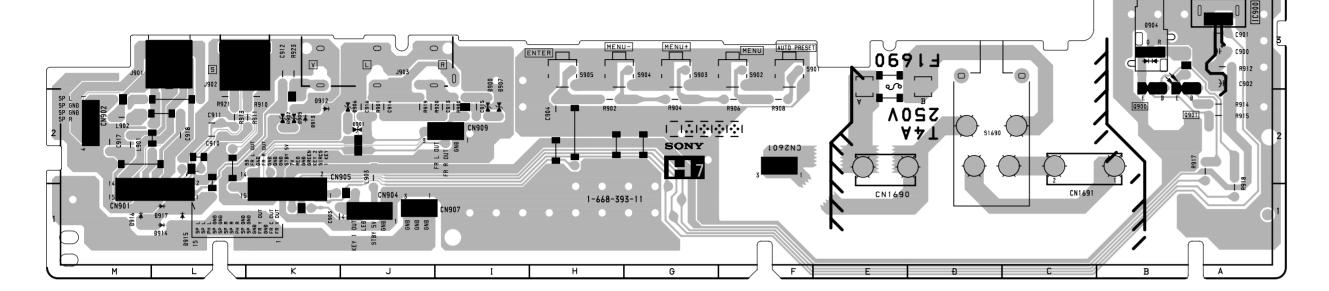
Q1408 INVERTER
Q1409 BUFF
Q1410 BUFF
Q1411 BUFF
Q1413 BUFF
Q1414 BUFF
Q1415 BUFF
Q1415 BUFF
Q1416 COMPARATOR
Q1418 R BUFF
Q1419 BUFF
Q1421 Y BUFF
Q1422 G BUFF
Q1423 AMP
Q1424 B BUFF
Q1425 -(B-Y) BUFF
Q1426 AMP
Q1427 AMP
Q1428 -(R-Y) BUFF Q1429 AMP
Q1430 AMP
Q1431 AMP
Q1432 BUFF
Q1433 BUFF
Q1434 BUFF
Q1435 BUFF
Q1436 BUFF
Q1437 BUFF
Q1438 BUFF
Q1438 BUFF
Q1439 BUFF
Q1440 BUFF
Q1440 BUFF
Q1441 AMP
Q1442 BUFF
Q1462 BUFF
Q1463 BUFF
Q1463 BUFF

• P3 BOARD DESCRIPTION

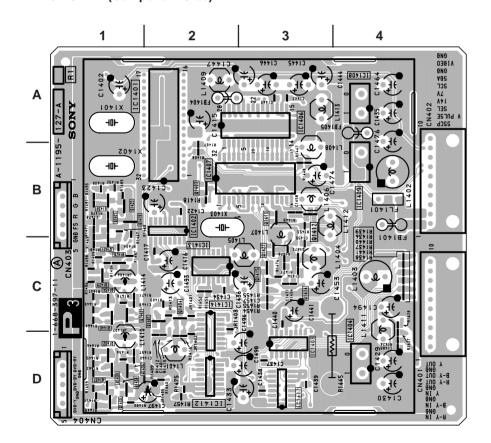
- 68 **-**



— H7 BOARD —



— P3 BOARD (Component Side) —

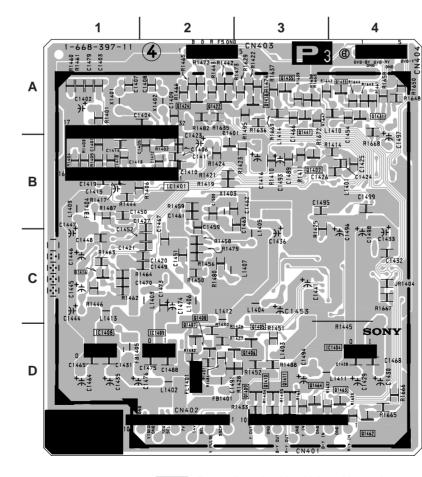


• P3 BOARD SEMICONDUCTOR LOCATION

| | IC (Conductor) | /Compone | nt\ | Q1419 Q1421 | | A-3 A-2 | ② ② | | | | | |
|----------------|-----------------|--|---|----------------|------------|-----------------------|--|--|--|--|--|--|
| | (Conductor Side | Side |) | Q1422 | A-2 | | 1 | | | | | |
| C1401 | B-1 | | | Q1423 | | A-3 | 2 | | | | | |
| C1402 | | B-3 | | Q1424 | A-2 | | 1 | | | | | |
| C1403 | | C-1 | | Q1425 | | A-3 | 2 | | | | | |
| C1404 | D-4 | | | Q1426 | | A-3 | 2 | | | | | |
| C1406 | | C-4 | | Q1427 | | C-2 | 2 | | | | | |
| C1407 | | B-3 | | Q1428 | | A-2 | 2 | | | | | |
| C1408 | D-1 | | | Q1429 | | A-2 | (2) | | | | | |
| C1409 | D-2 | | | Q1430 | | A-1 | (2) | | | | | |
| C1411 | | C-1 | | Q1431 | A-4 | | (1) | | | | | |
| C1412 | | B-1 | | Q1432 | | A-1 | (2) | | | | | |
| C1413 | | B-3 | | Q1433 | A-4 | 4.0 | (1) | | | | | |
| C1414 | | B-2 | | Q1434 | | A-2 | (2) | | | | | |
| | | | | Q1433 | A-4 | ۸. ۵ | (1) | | | | | |
| т | RANSIS' | TOP | | Q1434 Q1435 | A-3 | A-2 | (2) | | | | | |
| - 11 | | | | Q1435 | A-3 | A-1 | $(\bigcirc \bigcirc$ | | | | | |
| | (Conductor) | (Compone Side | nt) _* | Q1437 | | A-1 | <u>@</u> | | | | | |
| 24.404 | , , | B-2 | - | Q1437 | | A-1 | <u>@</u> | | | | | |
| Q1401 Q1402 | B-3 | D-2 | 2 | Q1439 | | A-1 | <u>@</u> | | | | | |
| 21402 | D-3 | B-3 | (1) | Q1440 | | A-2 | <u>a</u> | | | | | |
| Q1404 | | B-3 B-2 | <u>@</u> | Q1441 | A-3 | | (1) | | | | | |
| 21405 | D-3 | D 2 | 1 | Q1442 | | B-1 | (2) | | | | | |
| 21406 | D-3 | | (I) | Q1462 | D-4 | | 1 | | | | | |
| 21407 | D-2 | | (I) | Q1463 | D-4 | | 1 | | | | | |
| 21408 | D-2 | | (1) | Q1464 | D-3 | | 1 | | | | | |
| 21409 | D-3 | | <u>(1)</u> | | | | | | | | | |
| 21410 | D-3 | | 000000000000000000000000000000000000000 | | CRYS | T A I | | | | | | |
| 21411 | D-3 | | 1 | | | | | | | | | |
| 21412 | | C-3 | 2 | | (Conducto | or) (Componer Side | nt) | | | | | |
| 21413 | | C-3 | 2 | | | / \ Side | , | | | | | |
| 21414 | | C-2 | 2 | X1401 | A-1 | | | | | | | |
| 21415 | | C-2 | 2 | X1402 | A-2 B-2 | | | | | | | |
| 21416 | C-1 | | ② ① ① | X1403 | B-2 | | | | | | | |
| 21418 | A-3 | | (1) | | | | | | | | | |
| Refer | to Termir | Refer to Terminal name of semiconductors in silk | | | | | | | | | | |

*: Refer to Terminal name of semiconductors in si screen printed circuit (see page 55)

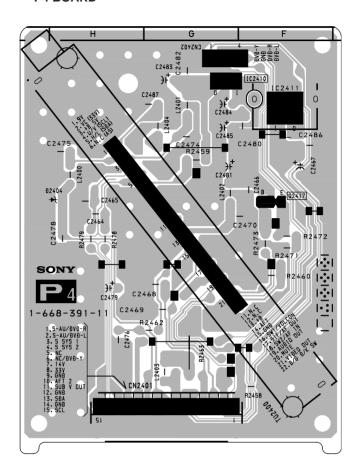
- P3 BOARD (Conductor Side) -



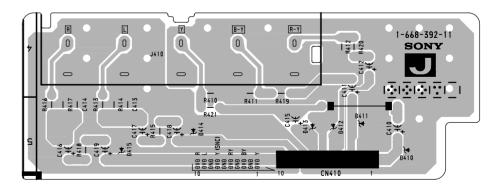
- : Pattern from the side which enables seeing.
- : Pattern of the rear side.



— P4 BOARD —



— J BOARD —



: Pattern from the side which enables seeing.

: Pattern of the rear side.

B3 [PICTURE BOOSTER] V3 [TEXT DECODER]

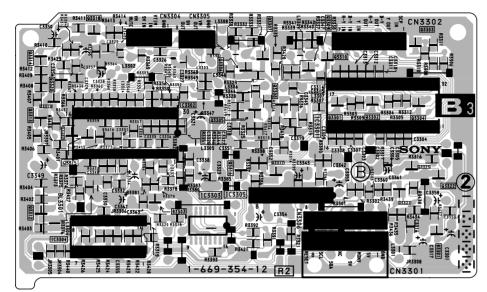


B3 BOARD Terminal name of semiconductors in silk screen printed circuit (*)

| - | |
|--|---|
| Ref. | * |
| Q3301, Q3302, Q3304-Q3310, Q3312-Q3320 | ① |
| D3301, D3302 | 4 |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 55)

— B3 BOARD —

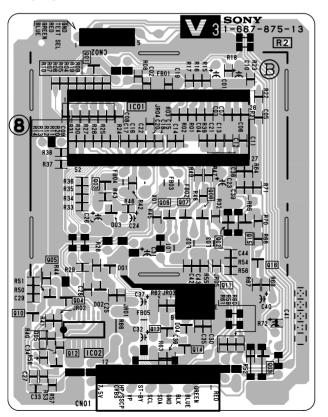


V3 BOARD Terminal name of semiconductors in silk screen printed circuit (*)

| Ref. | * |
|-------------------|-----|
| Q01, Q03-Q10, Q12 | ① |
| D02 | 100 |
| D03, D04 | 4 |
| D05 | 3 |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 55)

— V3 BOARD —



C1 [RGB OUTPUT] VM [VOLOCITY MODULATION]

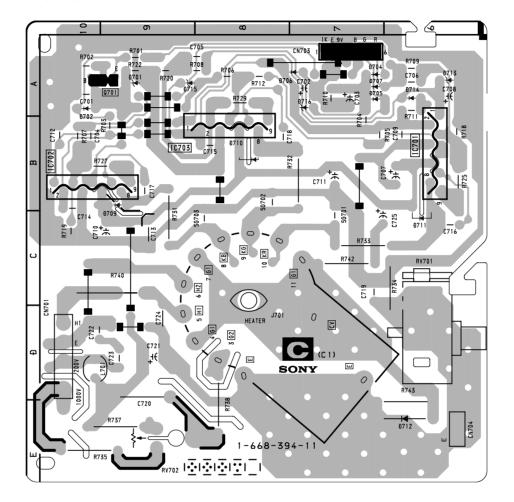






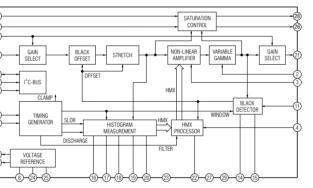
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

— C1 BOARD —

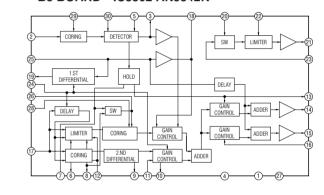


• B3 BOARD IC3301 TDA9170

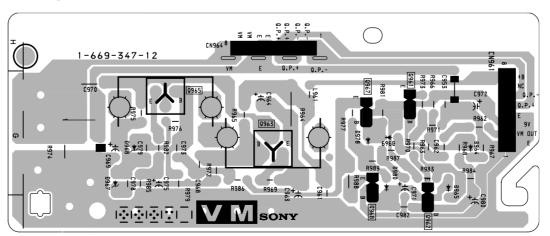
_. __.......



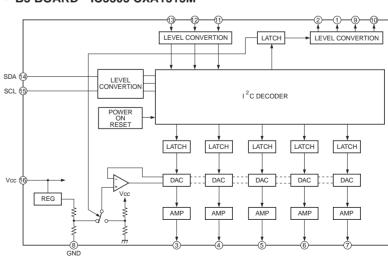
• B3 BOARD IC3302 AN5342K



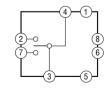
— VM BOARD —



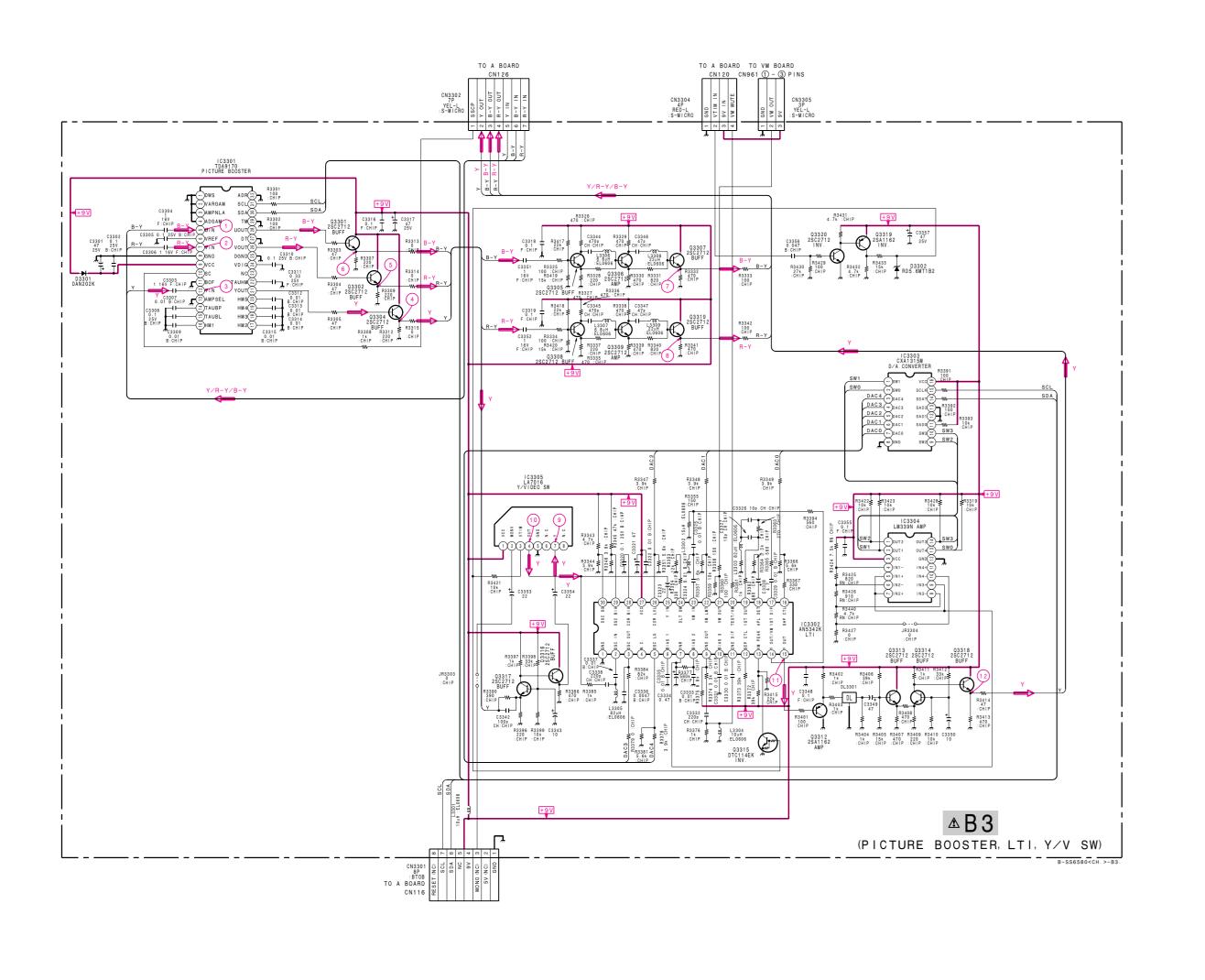
• B3 BOARD IC3303 CXA1315M

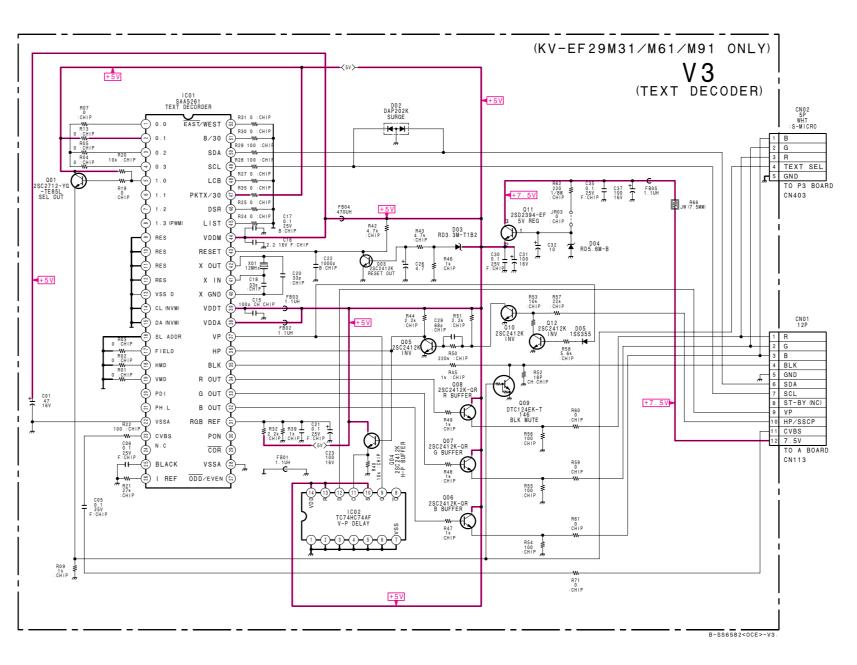


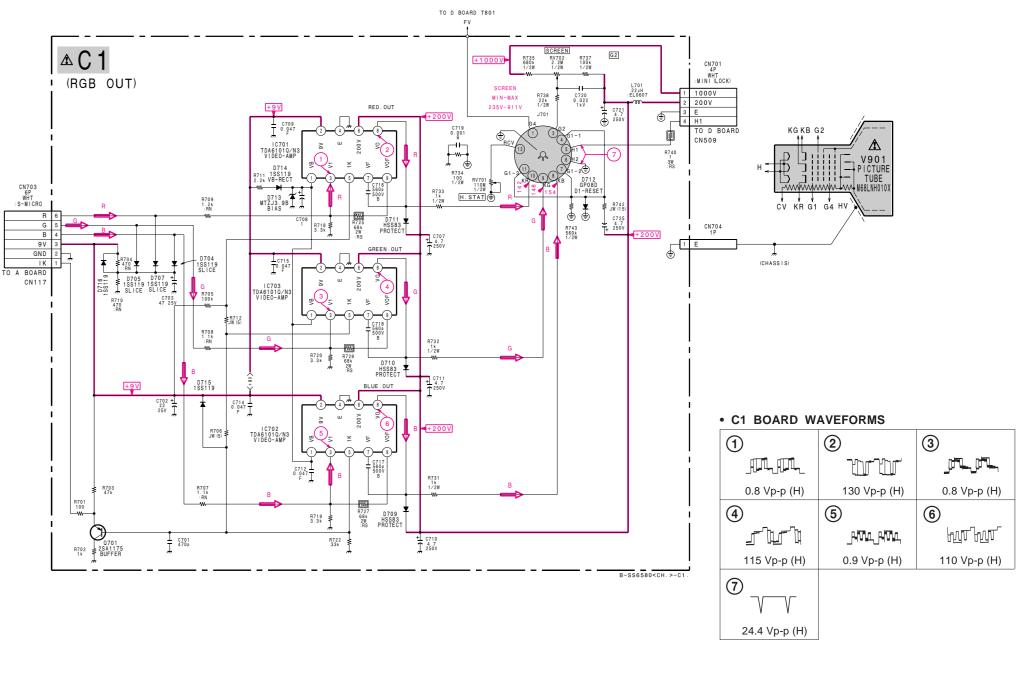
• B3 BOARD IC3305 LA7016

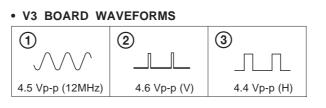


- 72 -- 73 -- 74 -



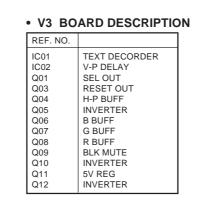


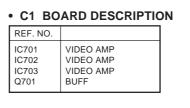




| • V3 | BOAR | D VOLTA | AGE L | IST |
|------|---------|-------------|-------|---------|
| Ref. | Pin No. | Voltage [V] | Ref. | Pin No. |
| IC01 | 1 | 0 | IC02 | 9 |

| Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage |
|------|----------------|-------------------|------|-------------|-------------|------|-------------|---------------|
| IC01 | 1 | 0 | IC02 | 9 | 0.3 | | В | 0 |
| | 3 4 | 4.4 0 0 | | 11 12 | 0.9 0.9 | Q09 | C B | 0 |
| | 5 23 | 0 2.1 | Q01 | E B | 0 | Q10 | C B | 0 |
| | 25 26 31 | 1.8 2.2 1.4 | Q03 | C B | 0 0.7 | Q11 | E C | 4.4 5.8 |
| | 32 | 0 | Q04 | E B | 0.9 1.1 | | В | 5.1 |
| | 34 35 | 0 0 | Q05 | С | 1.1 | Q12 | C B | 0.3 |
| | 36 37 41 | 1.1 0.3 2.1 | Q06 | B E | 0.3 | Q13 | E C B | 5.1 0 0 |
| | 42 43 49 | 2.2 0 4.5 | Q07 | B E B | 0 0 0 | Q14 | C B | 0 4.1 |
| | 50 | 4.5 | Q08 | С | 0 | | | |





| Ref. | | Voltage [V] | | | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] |
|-------|------------------|--------------------------|-------|------------------|--------------------------|-------|------------------|--------------------------|------|-------------|-----------------|
| IC701 | 1 3 5 7 | 3.6 3.5 8.3 140 | IC702 | 1 3 5 7 | 3.6 3.5 8.0 152 | IC703 | 1 3 5 7 | 3.6 3.5 8.0 146 | Q701 | E C B | 5.8 0 8.1 |
| | 8 9 | 141 138 | | 8 9 | 154 151 | | 8 9 | 148 144 | | | |

| ▶ 7V | |
|---------------------------------|----------------|
| MIRROR | MIRROR |
| C par : | V bias 7 |
| INV IN (3) — DIFFERENTIAL STAGE | |
| MIRROR | CURRENT MIRROR |

C1 BOARD IC701-IC703 TDA6101Q/N3

| B3 BOARD VOLTAGE LIST | | • | В3 | BOARD | VOLTAGE | LIST |
|-----------------------|--|---|----|-------|---------|------|
|-----------------------|--|---|----|-------|---------|------|

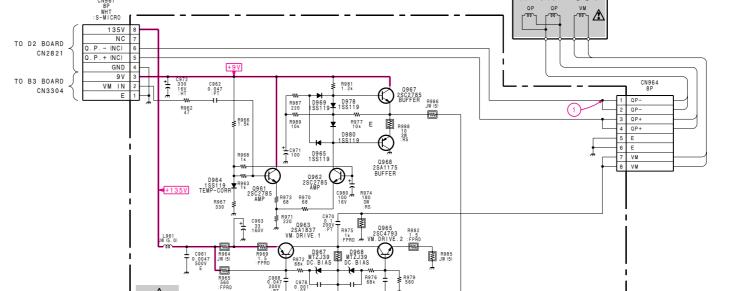
| Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] |
|--------|----------------|-------------------|------|----------------|-------------------|--------|---------------|-------------------|--------|----------------|-------------------|-------|-------------|-------------------|-------|-------------|-------------------|
| IC3301 | 5 6 | 1.5 4.0 | | 5 6 | 2.8 3.1 | | 28 29 | 5.2 0.7 | | 8 9 | 3.1 3.1 | Q3306 | E C | 2.1 6.8 | | C B | 4.2 2.0 |
| | 10 12 | 1.6 0.7 1.8 | | 8 9 | 3.1 3.1 2.8 | IC3303 | 30 1 2 | 4.1 0 0 | | 10 13 14 | 0 0.2 9.1 | Q3307 | B E | 1.5 | Q3315 | C B | 3.1 0 |
| | 14 15 16 | 0.7 1.7 0.4 | | 10 11 12 | 3.5 2.7 4.6 | | 3 4 | 4.5 3.2 | IC3305 | 2 3 | 5.6 0 | Q3308 | B E C | 2.1 2.8 6.2 | Q3316 | E B | 3.5 4.1 |
| | 17 18 19 | 0.5 0.5 0.3 | | 13 14 15 | 3.3 3.3 4.1 | | 5 6 7 | 3.4 5.8 2.4 | | 7 | 4.9 5.5 | Q3309 | B | 3.4 | Q3317 | E C B | 1.3 4.1 1.9 |
| | 20 21 22 | 0 2.2 1.6 | | 16 17 18 | 1.4 4.8 3.2 | | 9 10 11 | 0 9.1 9.1 | Q3301 | E B | 1.8 2.5 | Q3303 | C B | 6.9 2.7 | Q3318 | E B | 3.5 4.2 |
| | 24 26 | 5.0 2.4 | | 19 20 | 6.2 0 | | 14 15 | 4.5 4.5 | Q3302 | E B | 1.8 | Q3310 | E B | 1.4 2.1 | Q3319 | C B | 0.2 9.1 |
| | 28 30 31 | 2.5 4.6 4.5 | | 21 22 23 | 7.5 3.4 2.3 | IC3304 | 1 2 4 | 0 0 4.2 | Q3304 | E B | 1.6 2.2 | Q3312 | E B | 4.8 4.8 | Q3320 | C B | 9.1 -0.2 |
| IC3302 | 2 3 | 2.7 5.1 | | 24 25 26 | 0 5.4 1.6 | | 5 6 | 3.1 3.7 | Q3305 | E C B | 2.8 6.2 3.5 | Q3313 | E B | 1.7 2.4 | | | ,,_ |
| | | | | 20 | 1.0 | | / | 3.1 | | | | Q3314 | E | 1.3 | | | |

• B3 BOARD WAVEFORMS

| BS BOARD W | AVEIONINIS | | |
|--------------|--------------|--------------|----------------|
| 1 | 2 | 3 | 4 |
| ╟╟╟╟╟ | 40h40h40h | المسمارمس | المسماليسما |
| 1.9 Vp-p (H) | 1.5 Vp-p (H) | 1.0 Vp-p (H) | 1.0 Vp-p (H) |
| (5) | 6 | 7 | 8 |
| 47\A7\A7\A7 | - | ╟╢╟╢╟╢ | - 17 ՄուՄուՄու |
| 1.6 Vp-p (H) | 1.9 Vp-p (H) | 1.9 Vp-p (H) | 1.5 Vp-p (H) |
| 9 | 10 | 11) | 12 |
| كسسمكرسس | المسمالمسما | المسماليمسا | الممممالممما |
| 2.4 Vp-p (H) | 2.4 Vp-p (H) | 1.3 Vp-p (H) | 1.1 Vp-p (H) |
| | | | |

• B3 BOARD DESCRIPTION

| EF. NO. | | REF. NO. | |
|---|---|--|--|
| EF. NO. 23301 23302 23303 23304 23305 3301 3302 3304 3305 3306 3307 | PICTURE BOOSTER LTI D/A CONVERTER AMP Y/VIDEO SW BUFF BUFF BUFF BUFF BUFF BUFF BUFF BUF | Q3309 Q3310 Q3312 Q3313 Q3314 Q3315 Q3316 Q3317 Q3318 QQ3319 Q3320 | AMP BUFF AMP BUFF BUFF INVERTER BUFF BUFF BUFF INVERTER INVERTER |
| 3307 | BUFF | Q3320 | INVERTER |
| | | | |



B-SS6580<CH.>-VM.

| • | • VM | BOAR | D VOLT | AGE | LIST | |
|---|------|-------------|-------------------|------|-------------|---------|
| I | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Volta |
| | Q961 | E B | - | | E C B | 63 0 |
| | Q962 | E C B | 1.6 4.3 2.2 | Q967 | E B | 4 5 |
| | | | | | | |

• VM BOARD DESCRIPTION

Q961 AMP Q962 AMP Q963 VM DRIVE 1

Q965 VM DRIVE 2 Q967 BUFF Q968 BUFF

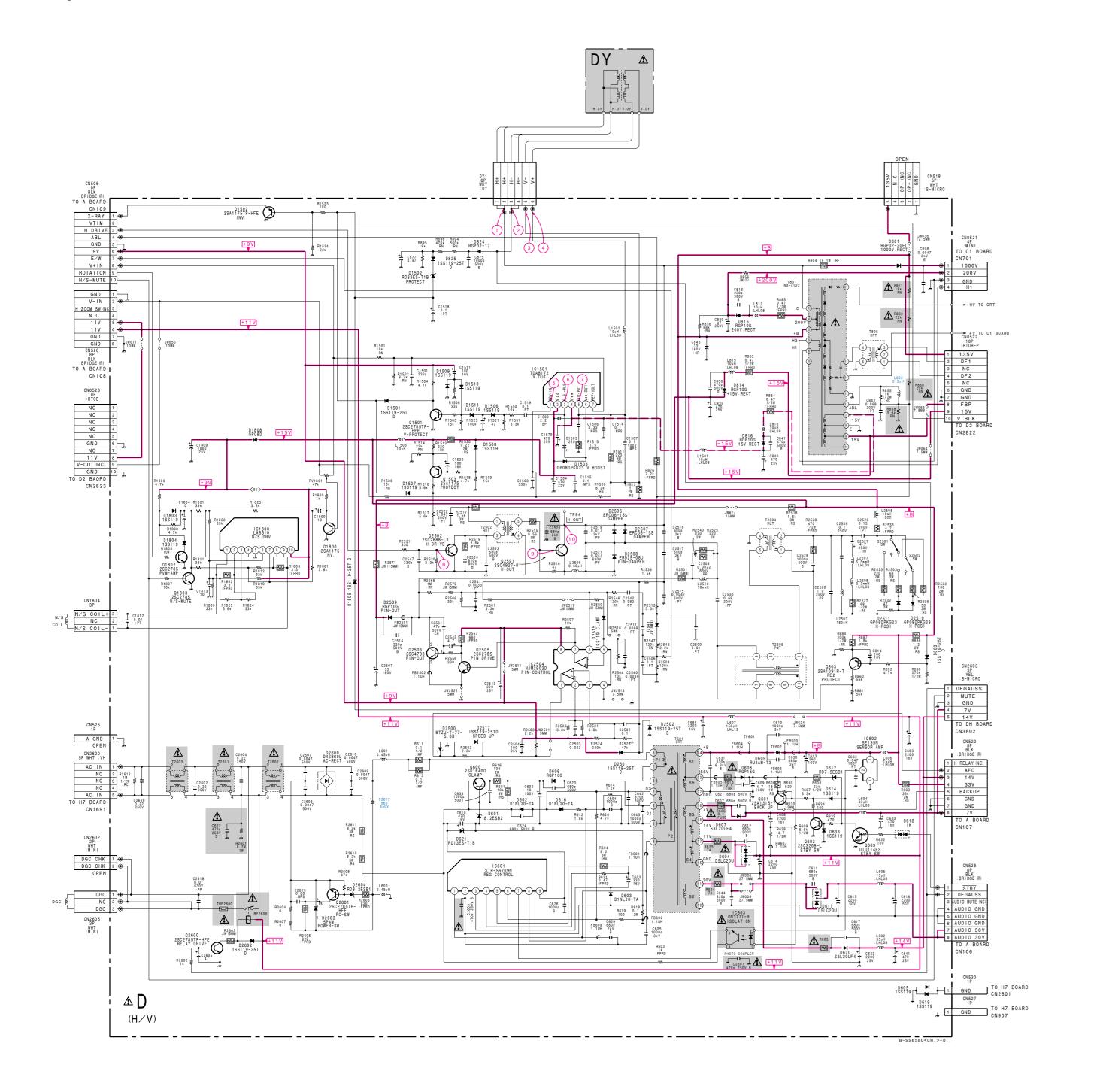
 VM BOARD WAVEFORM 35.6 Vp-p (H)

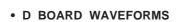
− 78 −

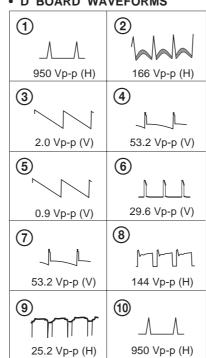
Q963 C 63.8 Q968 E B

Schematic diagram Schematic diagrams \square (d2)(dh) boards \Rightarrow *(v3)(vm)* boards

/ VELOCITY VM (MODULATION)







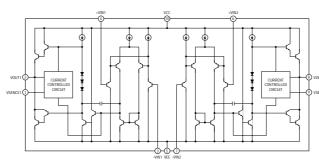
• D BOARD VOLTAGE LIST

| O BOARD VOLTAGE LIGH | | | | | | | | | | |
|----------------------|--|-----------------------------|-------|-------------|---------------------|--|--|--|--|--|
| Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | | | | | |
| IC601 | 1 2 | 289 0 | | В | 4.1 | | | | | |
| | 3 4 5 | 0 0.8 1.3 | Q803 | C B | 0 134 | | | | | |
| | 6 7 8 | 0 0.2 1.6 | Q1501 | C B | 0 0.6 | | | | | |
| | 9 | 8.4 | Q1502 | E B | 0.6 0 | | | | | |
| IC602 IC603 | 1 2 3 | 64.7 65.6 64.6 0.2 | Q1503 | E C B | 13.0 0.2 12.5 | | | | | |
| IC1501 | 1 | 8.2 1.3 | Q1800 | E B | 4.1 3.5 | | | | | |
| 101501 | 3 5 7 | -13.5 0.4 1.3 | Q1802 | C B | 4.1 0.3 | | | | | |
| IC1800 | 1800 1 6.4 2 6.4 3 6.4 4 6.4 6 6.4 7 6.4 8 6.3 | 6.4 | Q1803 | C B | 6.4 0 | | | | | |
| | | 6.4 6.4 | Q2502 | C B | 68.6 0 | | | | | |
| | | 6.4 | Q2503 | C B | 19.3 2.5 | | | | | |
| Q600 | 9 E C | 8.4 84.0 | Q2505 | C B | 2.5 0 | | | | | |
| | В | 8.2 | Q2591 | C B | 137 -0.2 | | | | | |
| Q601 | E C B | 70.9 10.2 70.8 | Q2600 | C B | 11.3 0 | | | | | |
| Q602 | C 70.8 B 0 | | Q2601 | E C B | -0.3 0 | | | | | |
| Q603 | С | 0 | | B | -0.4 | | | | | |

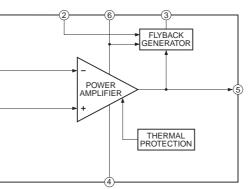
• D BOARD DESCRIPTION

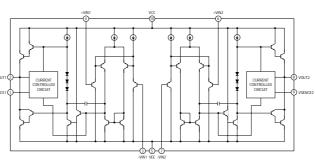
| D D0, | IND DECORM TIO |
|----------|----------------|
| REF. NO. | |
| IC601 | REG CONTROL |
| IC602 | SENSOR AMP |
| IC603 | ISOLATION |
| IC1502 | V.OUT |
| IC1800 | N/S DRIVE |
| IC2504 | PIN CONTROL |
| Q600 | CLAMP |
| Q601 | BACK UP |
| Q602 | STBY SW |
| Q603 | STBY SW |
| Q803 | PROTECT |
| Q1501 | V PROTECT |
| Q1502 | INVERTER |
| Q1503 | PROTECT |
| Q1800 | INVERTER |
| Q1802 | PVM AMP |
| Q1803 | N/S MUTE |
| Q2502 | H DRIVE |
| Q2503 | PIN OUT |
| Q2505 | PIN DRIVE |
| Q2591 | H OUT |
| Q2600 | RELAY DRIVE |
| Q2601 | POWER CONTROL |
| | |

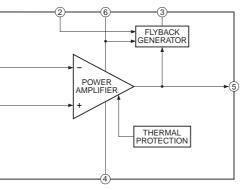
• DH BOARD IC3805 LA6510



• D BOARD IC1501 TDA8172





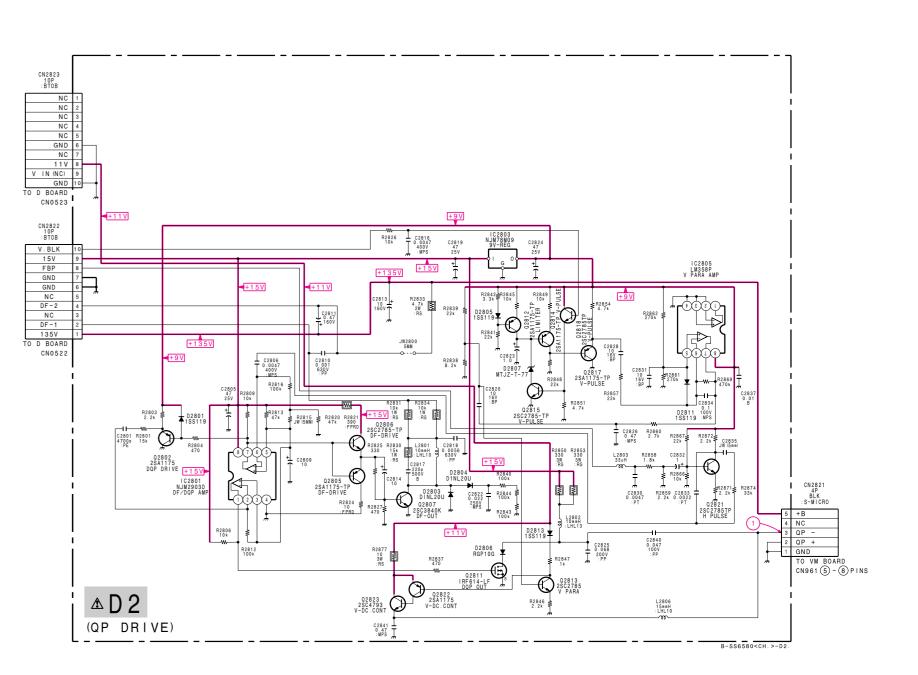


• DH BOARD VOLTAGE LIST

| Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] |
|--------|---------|-------------|-------|---------|-------------|
| IC3805 | 1 | 2.4 | | С | 2.5 |
| | 2 | 2.7 | | В | 1.0 |
| | 3 | 2.6 | | _ | |
| | 4 | 2.7 | Q3810 | E | 3.2 |
| | 6 | 2.6 | | В | 2.6 |
| | 7 8 | 2.6 2.5 | Q3811 | E B | 2.6 3.2 |
| IC3807 | 3 | 2.5 | | | - |
| | 4 | 2.0 | Q3812 | E C | 2.5 2.6 |
| Q3809 | Е | 2.6 | | В | 0 |

• DH BOARD DESCRIPTION

| REF. NO. | |
|----------|----------------|
| IC3805 | N/S DRIVE |
| IC3807 | SENSOR UNIT |
| Q3809 | N/S DRIVE MUTE |
| Q3810 | BUFF |
| Q3811 | BUFF |
| Q3812 | N/S DRIVE MUTE |



△ DH (N/S COIL DRIVE)

• D2 BOARD VOLTAGE LIST

| Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] |
|--------|------------------|--------------------------|-------|-------------|-------------------|
| IC2801 | 1 2 3 5 | 6.1 6.5 6.6 6.6 | Q2812 | E C B | 8.2 8.2 7.6 |
| IC2803 | 6 7 | 6.5 1.5 | Q2813 | E C B | 4.4 8.1 5.0 |
| 102003 | Ó | 9.0 | Q2814 | E C | 8.7 0.8 |
| IC2805 | 5 6 | 4.4 4.5 | | В | 8.2 |
| | 7 | 4.5 | Q2815 | C B | 3.5 0 |
| Q2802 | E B | 2.1 1.5 | Q2817 | E | 1.4 |
| Q2805 | Е | 1.5 | | В | 0.8 |
| | C B | 0 1.5 | Q2818 | E B | 0 -2.5 |
| Q2806 | E C B | 1.5 8.3 1.5 | Q2821 | E C B | 2.1 7.3 1.8 |
| Q2807 | C B | 42.6 -0.2 | Q2822 | C B | 2.1 8.1 |
| Q2811 | E C B | 2.1 7.3 1.8 | Q2823 | E B | 1.3 2.1 |

D2 BOARD DESCRIPTION

| | AND DECOMM TH | J.14 | | | |
|---|---|--|--|---|---|
| REF. NO. | | REF. NO. | | REF. NO. | |
| IC2801 IC2803 IC2805 Q2802 Q2805 Q2806 | DF/DQP AMP 9V-REG V PARA AMP DQP DRIVE DF DRIVE DF DRIVE | Q2807 Q2811 Q2812 Q2813 Q2814 Q2815 | DF OUT DQP OUT LIMITTER V PARA V PULSE V PULSE | Q2817 Q2818 Q2821 Q2822 Q2823 | V PULSE V PULSE H PULSE V-DC CONT V-DC CONT |

__-_-_-

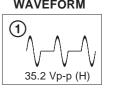
D3805 1SS119 SW D3806 1SS119 SW

IC3805 LA6510 N/S DRIVE

R3809 ≱ R3808 150k ≯ R3808

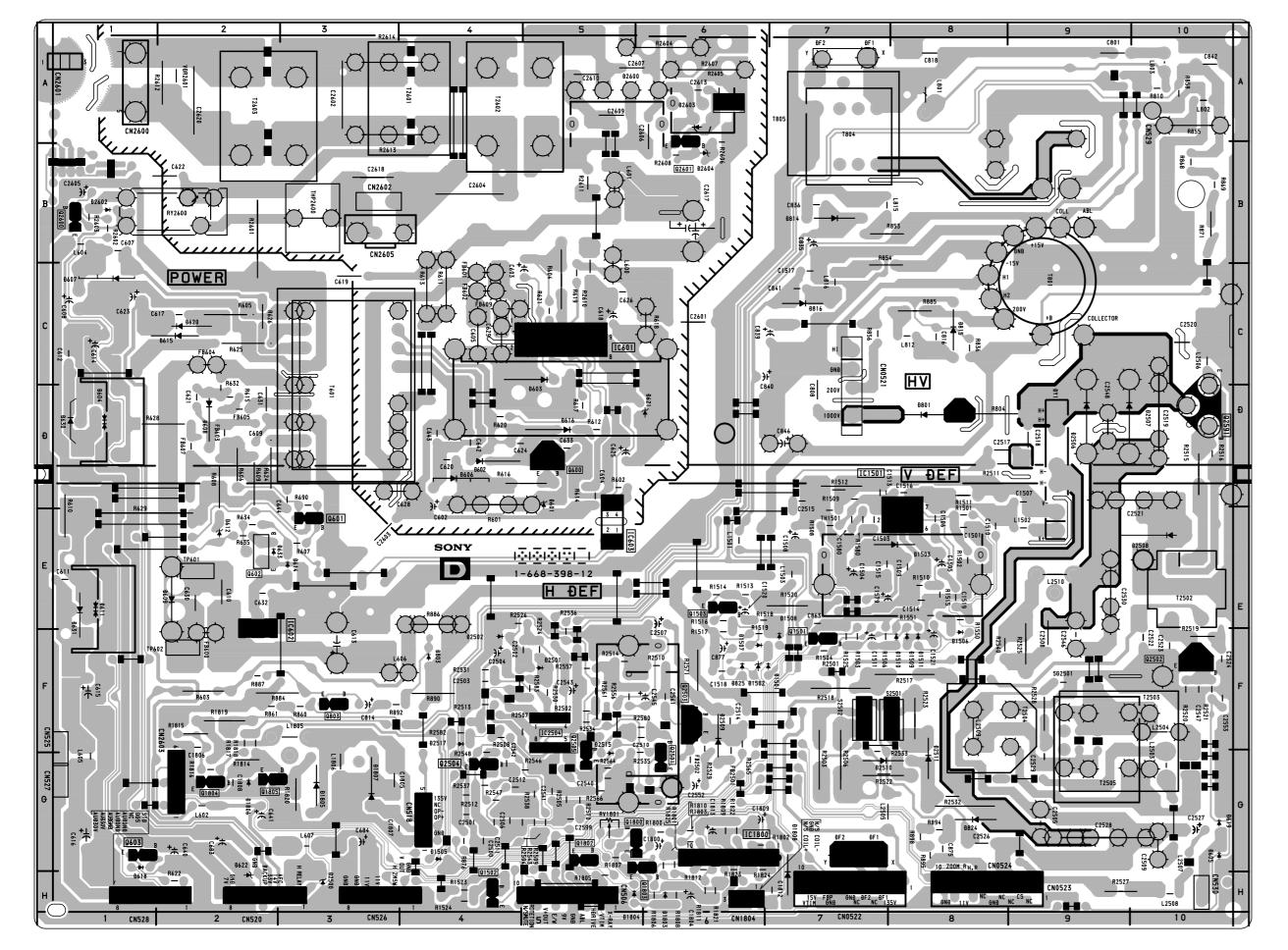
03812 \ 03809 2SC2785 \ 2SC2785 N/S DRIVE MUTE \ N/S DRIVE MUTE

• D2 BOARD WAVEFORM





- D BOARD -



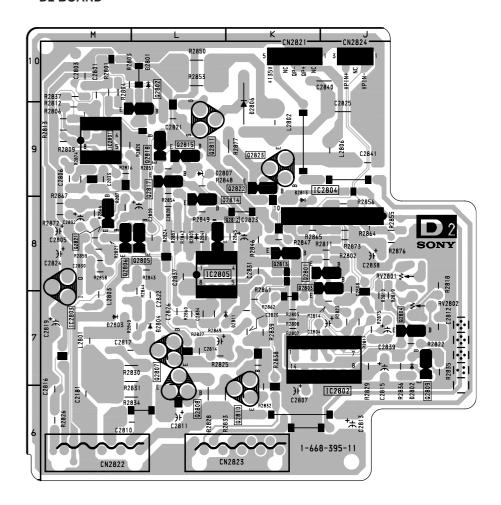
| • D BOARD | SEMICONDU | CTOR LOCATION |
|---|---|--|
| IC IC601 C-5 IC602 E-2 IC603 E-5 IC1501 D-8 IC1800 G-6 IC2504 F-5 | DIODE D601 D-5 D602 D-4 D603 C-5 D604 D-1 D605 G-10 D606 D-4 D607 C-1 | D1506 F-8 D1507 F-6 D1508 F-7 D1509 F-8 D1510 F-8 D1511 F-8 D1803 H-6 D1804 H-5 D1808 H-7 |
| TRANSISTOR | D608 D-2 D609 E-2 D611 E-1 | D2500 H–3 D2501 F–5 D2502 F–4 |
| Q600 D-5 Q601 E-3 Q602 E-2 Q603 G-1 Q803 F-3 Q1501 F-7 Q1502 H-4 Q1503 E-6 Q1800 G-5 Q1802 G-5 Q1803 G-5 Q2502 F-10 Q2503 F-6 Q2505 F-5 | D612 E-2 D614 E-3 D616 D-5 D618 G-1 D619 G-10 D620 C-2 D621 D-6 D633 E-2 D801 D-8 D803 F-4 D814 B-7 D815 C-8 D815 C-7 D824 G-8 | D2502 F-4 D2506 D-9 D2507 D-9 D2508 E-10 D2509 F-6 D2510 G-7 D2511 G-8 D2515 G-5 D2517 F-4 D2600 A-5 D2602 B-1 D2604 B-6 |
| Q2591 D-10 Q2600 B-1 Q2601 A-6 | D825 F-6 D1501 F-7 D1502 F-6 | VARIABLE RESISTOR |
| | D1502 F-6 D1503 E-8 D1505 G-4 | RV1801 G-5 |



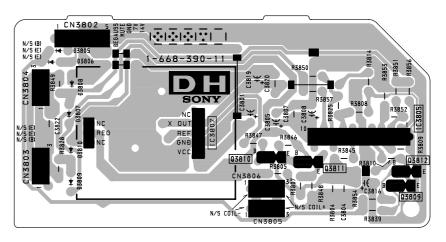
NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

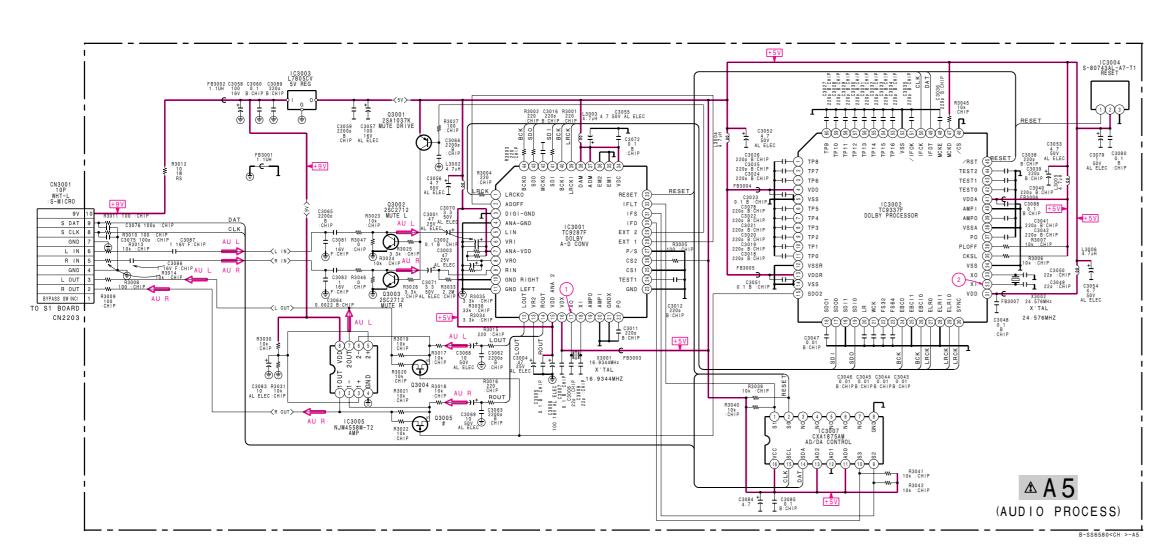


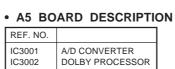
— D2 BOARD —



— DH BOARD —







5V REG

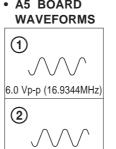
RESET

AMP
AD/DA CONTROL
MUTE DRIVE
MUTE L
MUTE R

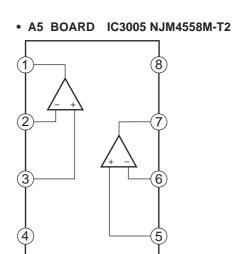
IC3002 IC3003

IC3004 IC3005 IC3007 Q3001 Q3002 Q3002

• A5 BOARD

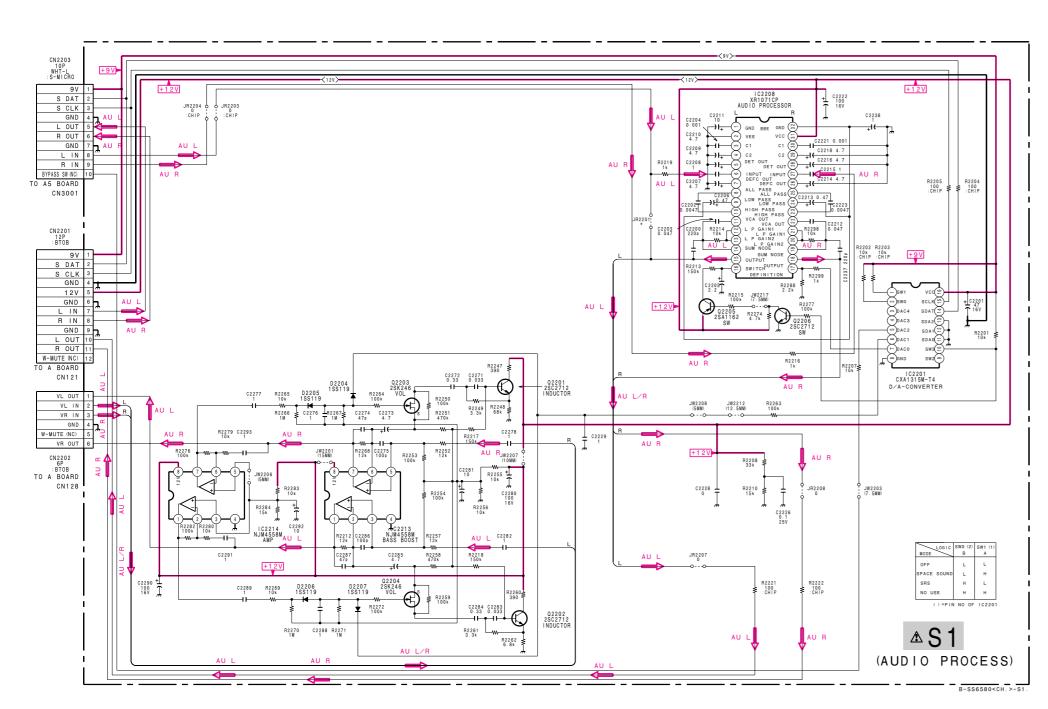


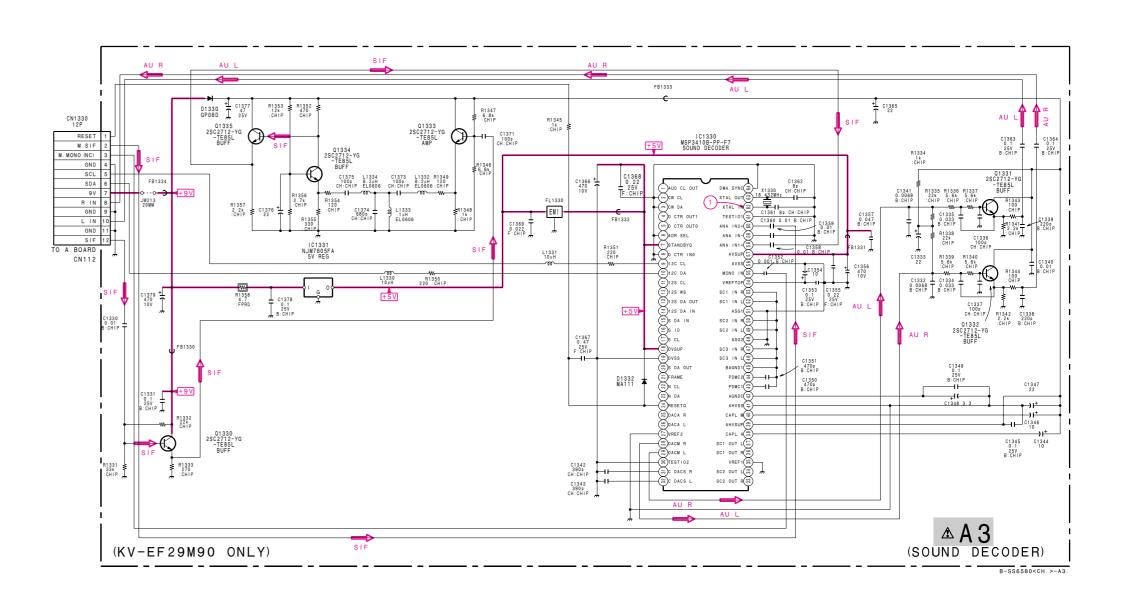
4.2 Vp-p (24.576MHz)



• A5 BOARD VOLTAGE LIST

| Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] |
|--------|---------|-------------|--------|---------|-------------|------|----------|-------------|--------|---------|-------------|--------|---------|-------------|
| IC3001 | 1 | 2.5 | | 31 | 5.0 | | 16 | 3.5 | | 45 | 5.0 | IC3005 | 1 | 4.5 |
| | 2 | 0 | | 32 | 5.0 | | 17 | 3.0 | | 47 | 0 | | 2 | 4.5 |
| | 5 | 2.8 | | 33 | 5.0 | | 19 | 3.7 | | 48 | 4.9 | | 3 | 4.5 |
| | 6 | 2.5 | | 39 | 2.5 | | 20 | 2.5 | | 49 | 4.3 | | 5 | 4.5 |
| | 7 | 5.0 | | 40 | 2.5 | | 21 | 2.5 | | 50 | 4.5 | | 6 7 | 4.5 4.7 |
| | 8 | 3.2 | | 41 | 2.8 | | 22 | 2.5 | | 51 | 4.9 | | / | 4.7 |
| | 9 | 3.9 | | 42 | 2.4 | | 23 | 2.5 | | 53 | 4.9 | IC3007 | 1 | 5.0 |
| | 12 | 2.1 | | 43 | 3.8 | | 24 | 2.5 | | 54 | 5.0 | | 2 | 5.0 |
| | 13 | 2.5 | | 44 | 2.5 | | 26 | 2.5 | | 55 | 4.9 | | 9 | 5.0 |
| | 14 | 3.0 | | | | | 27 | 2.5 | | 56 | 5.0 | | 10 | 0 |
| | 16 | 5.0 | IC3002 | 1 | 5.0 | | 29 | 2.5 | | 57 | 5.0 | | 14 | 4.5 |
| | 17 | 2.4 | | 2 | 5.0 | | 30 | 2.5 | | 58 | 5.0 | | 15 | 4.5 |
| | 18 | 2.0 | | 3 | 5.0 | | 32 | 2.0 | | 59 | 5.0 | Q3001 | С | -0.6 |
| | 19 | 5.0 | | 6 | 5.0 | | 33 | 2.3 | | 60 | 5.0 | Q3001 | В | 5.0 |
| | 22 | 0 | | 7 | 5.0 | | 35 36 | 5.0 5.0 | 100000 | | 0.0 | | | 3.0 |
| | 24 | 5.0 | | 8 | 5.0 | | 37 | 0 | IC3003 | Ö | 9.0 | Q3002 | С | 0 |
| | 26 | 5.0 | | 9 | 5.0 | | 39 | 5.0 | | U | 5.0 | | В | -0.6 |
| | 28 | 0 | | 10 | 5.0 | | 42 | 5.0 | IC3004 | 1 | 5.0 | | | |
| | 29 | 5.0 | | 11 | 5.0 | | 43 | 4.9 | | 2 | GND | Q3003 | С | 0 |
| | 30 | 0 | | 15 | 5.0 | | 44 | 4.9 | | 3 | 5.0 | | В | -0.6 |





• S1 BOARD

| DESCR | RIPTION |
|----------|-----------------|
| REF. NO. | |
| IC2201 | D/A CONVERTER |
| IC2208 | AUDIO PROCESSOR |
| IC2213 | BASS BOOST |
| IC2214 | AMP |
| Q2201 | INDUCTOR |
| Q2202 | INDUCTORQ |
| Q2203 | VOL |
| Q2204 | VOL |
| Q2205 | sw |
| Q2206 | sw |
| 1 | I |

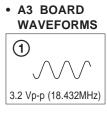
• S1 BOARD VOLTAGE LIST

| | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] |
|-----|--------|---------|-------------|--------|---------|-------------|------|----------|-------------|------|----------|-------------|--------|---------|-------------|-------|---------|-------------|-------|---------|-------------|-------|---------|--------------|
| | IC2201 | 1 | 0.2 | | 15 | 4.5 | | 10 | 5.7 | | 20 | 5.7 | | 30 | 5.7 | | 3 | 7.0 | | С | 11.5 | Q2205 | E | 11.8 |
| | | 2 | 0.2 | IC2208 | 1 | 5.7 | | 11 12 | 5.7 5.7 | | 21 22 | 5.7 5.7 | IC2213 | 1 | 5.8 | 1 | 5 | 7.0 7.0 | | В | 5.3 | | B | 11.8 11.2 |
| | | 4 | 4.6 | | 3 | 5.7 | | 13 | 5.7 | | 23 | 5.7 | | 2 | 5.8 5.8 | | 7 | 7.0 | Q2203 | S | 5.6 | | _ | 111.2 |
| | | 5 | 0.4 | | 4 | 5.7 5.7 | | 14 | 5.7 | | 24 | 5.7 | | 5 | 5.8 | Q2201 | Е | 4.7 | | G G | 5.3 0.8 | Q2206 | C B | 0 0.7 |
| - 1 | | 6 | 0.4 8.6 | | 6 | 5.7 | | 15 | 5.7 6.4 | | 25 26 | 5.7 5.7 | | 6 | 5.8 | Q2201 | C | 11.5 | | | | - | Ь | 0.7 |
| | | 9 | 3.7 | | 7 | 5.7 | | 16 17 | 6.0 | | 27 | 5.7 | | _ ′ | 5.8 | | В | 5.2 | Q2204 | S | 5.7 | | | |
| - 1 | | 10 | 8.3 | | 8 | 5.7 | | 18 | 5.7 | | 28 | 5.7 | IC2214 | 1 | 7.0 | Q2202 | E | 4.7 | | G G | 5.2 0.8 | | | |
| L | | 14 | 4.5 | | 9 | 5.7 | | 19 | 5.7 | | 29 | 5.7 | | 2 | 7.0 | Q2202 | - | 4.7 | | | 0.0 | | | |

| Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V] | Ref. | Pin No. | Voltage [V |
|-------|----------------------|--------------------------|------|----------------------|--------------------------|------|----------------|-------------------|--------|-------------|-------------|-------|---------|-------------|-------|-------------|-------------------|
| C1330 | 9 10 | 4.4 4.5 | | 40 42 | 6.5 3.8 | | 52 53 | 3.9 3.9 | | 62 63 | 2.5 2.4 | Q1331 | E B | 2.0 2.6 | Q1334 | E C B | 0.9 7.1 1.5 |
| | 24 28 29 | 4.9 2.7 2.7 | | 43 44 45 | 3.9 3.9 3.9 | | 54 55 57 | 2.7 3.9 5.1 | IC1331 | 0 | 8.4 5.1 | Q1332 | E B | 2.0 2.6 | Q1335 | E B | 6.4 7.1 |
| | 31 32 38 39 | 3.9 3.9 7.4 8.3 | | 46 47 49 50 | 3.9 3.9 3.9 3.9 | | 58 59 60 | 1.6 1.6 0 | Q1330 | E C B | * * * | Q1333 | E B | 3.5 4.1 | | | |

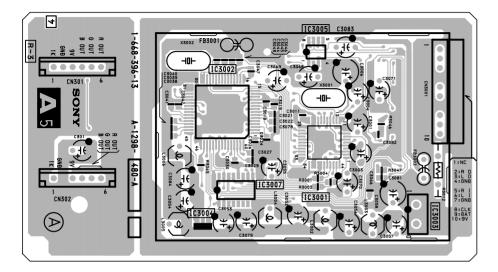
• A3 BOARD DESCRIPTION

REF. NO. IC1330 SOUND DECODER IC1331 Q1330 Q1331 5V REG BUFF BUFF Q1332 Q1333 Q1334 Q1335 BUFF AMP BUFF BUFF

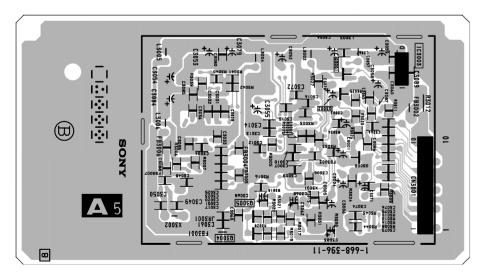




— A5 BOARD (Component Side) —



— A5 BOARD (Conductor Side) —



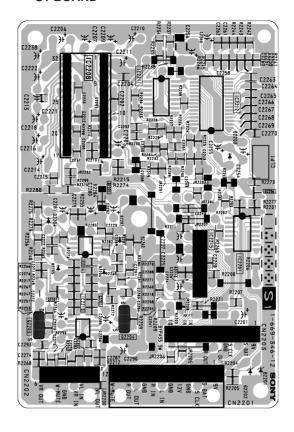
A5 BOARD Terminal name of semiconductors in silk screen printed circuit (*)

| Ref. | * |
|-------------|---|
| Q3001-Q3003 | 1 |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 55)



- S1 BOARD -



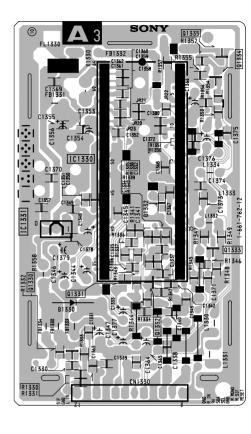
S1 BOARD Terminal name of semiconductors in silk screen printed circuit (*)

| Ref. | * |
|------------------------------|---|
| Q2201, Q2202, Q2205-Q2207 | ① |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 55)



— A3 BOARD —



A3 BOARD Terminal name of semiconductors in silk screen printed circuit (*)

| Ref. | * |
|-------------|---|
| D1332 | 3 |
| Q1330-Q1335 | 1 |

*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 55)

LA7016

8pin SIP

MARKING SIDE VIEW

TA7805S

TA7808S

TA7812S

6-4. SEMICONDUCTORS PC123F2 SDA9189XGEGA132 AN5342K LM339N TC9337F-XXX ARRARRARAR TOP VIEW TOP VIEW 88888888888 TOP VIEW 30pin DIP 14pin DIP 32pin SOP 60pin QFP BA7606F L78LR05D-MA S-08743AL-A7-S **SE-135N** TDA8172 CXA1315M CXA1875AM-T4 HEF4053BT TDA4665T-T 0 AAAAAAAAAA 1 700 TOP VIEW NJM2903D **SAA5261** STR-S6709 **TDA8395T** NJM2904D STR-S6709N 16pin SOP TDA6101Q/N3 ST24C08FB6 8888888888 UPC358C CXA1855S UPC393C MARKING SIDE VIEW TOP VIEW TOP VIEW TOP VIEW TOP VIEW 52pin DIP 20pin SOP 9pin ZIP SBX1790-11 **TDA8424** 8pin DIP 48pin DIP **TA8200AH CXA2050S** NJM78L05A CXP85452-090S TOP VIEW CXP85452-091S MSP3410B-PP-F7 20pin DIP SBX1856-01 TDA9160A TOP VIEW TDA9170/N1 TC74HC74AF XR1071CP MARKING SIDE VIEW NJM78L12A RARARARARA 64pin DIP LA6510 TOP VIEW TOP VIEW 18pin SIP **SDA9187-2XGEG** 14pin SOP 32pin DIP **TC9287AF** UPC4558G2 RARRARARA RABBARBARBA NJM7805FA 8888888888 NJM78M09FA P009RF2 88888888888

TOP VIEW

8888888888

TOP VIEW

8pin SOP

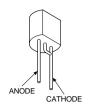
TOP VIEW

44pin QFP

TOP VIEW

28pin SOP

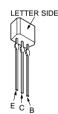
UPC574J



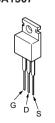
DTA144EK
DTA144EKA-T146
DTC114EK
DTC114EKA-T146
DTC124EK
DTC124EKA-T146
DTC124EKA-T146
DTC144EKA
RN1402
RN1403
UN2211
UN2212
UN2213
2SA1037AK-T146-R
2SA1162-G
2SC1623-L5L6
2SC2712-YG
2SD601A-Q



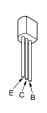
DTC144ESA DTD114ES 2SA1175-HFE 2SC2785-HFE



IRF614 2SA1507



2SA1091-0 2SA933AS-QRT



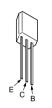
2SA1315-Y



2SA1837 2SC4793



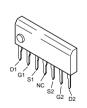
2SC2458-TGR 2SC2458-YGR



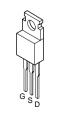
2SC2688-LK 2SC3601-E 2SC3840K



2SC4927-01



2SD2394-EF



2SD774-34



2SK246-Y



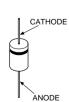
DAN202K



DAP202K



D1NL20 EGP20G EL1Z EU2A GP08D HSS83TD MTZJ-T-77-9.1A RD33E-B3T RGP02-17EL-6433 RGP02-20EL-6394 RU4AM-T3



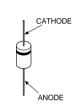
D4SB60L



D5LC20U FMX-12S



ERC06-15S RU2AM S2LA20F S3L20UF4



ERD29-08J



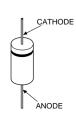
MA111 1SS355



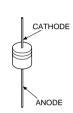
MA3091 RD3.3M-B2 RD5.6M-B2 RD6.8M-B3 RD9.1M-B1



MA7120-TA



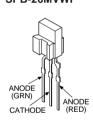
MTZJ-13 MTZJ-33B RD11ES-B2 RD13ES-B2 RD3.9ES-B2 RD39ES-B2 RD4.7EBS2 **RD5.1ES-B1 RD5.6ES-B1** RD5.6ESB2 RD6.8ES-B2 **RD7.5ES-B1** RD7.5ESB2 RD8.2ES-B2 RD8.2ESB1 RD9.1ES-L 11EFS2 1SS119-25 1SS133T-77



ON3171-R



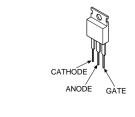
SPB-26MVWF



1SS226



5P-6M



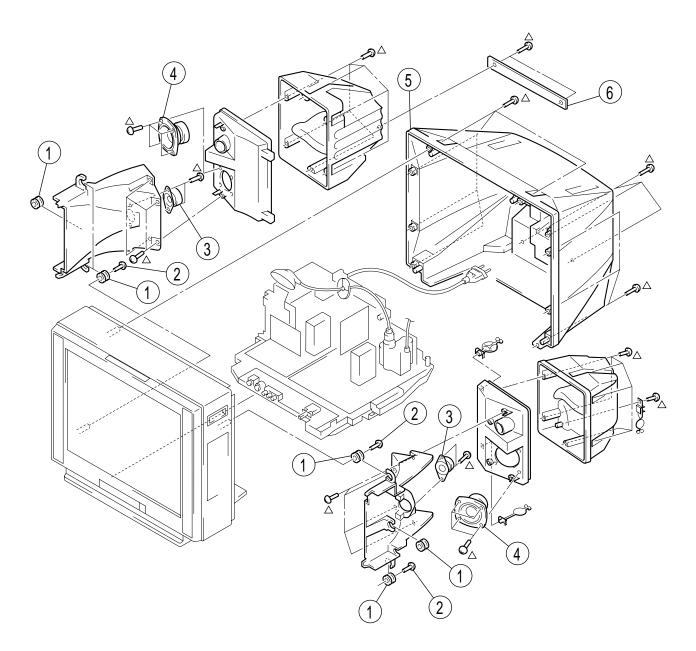
SECTION 7 EXPLODED VIEWS

- description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items with no part number and no Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

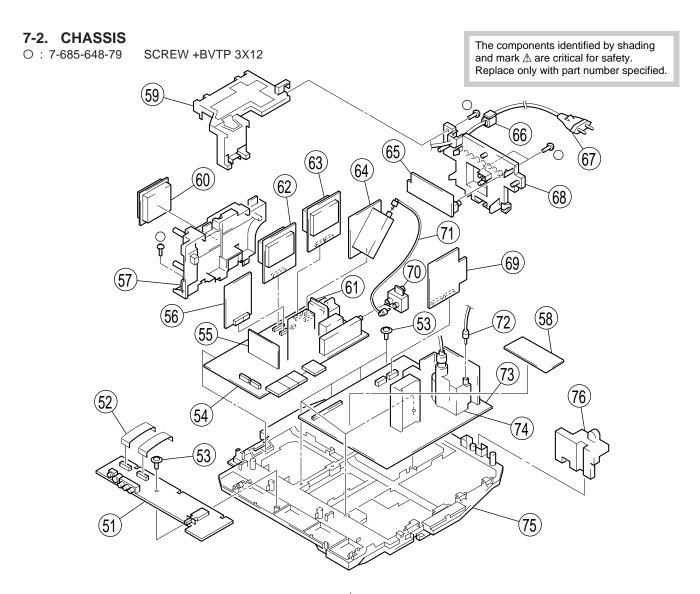
The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

7-1. SPEAKER BOX

△ : 7-685-663-71 SCREW +BVTP 4X16



| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO | . PART NO. | DESCRIPTION | REMARK |
|---------|--------------|---|--------|-------------|--------------|--|--------|
| 2 | 4-384-076-01 | CUSHION (A) SCREW (4X16), TAPPING, +P SPEAKER (5CM) | | 4 5 6 | 4-062-945-01 | SPEAKER (12CM) COVER, REAR STAY, SPEAKER | |

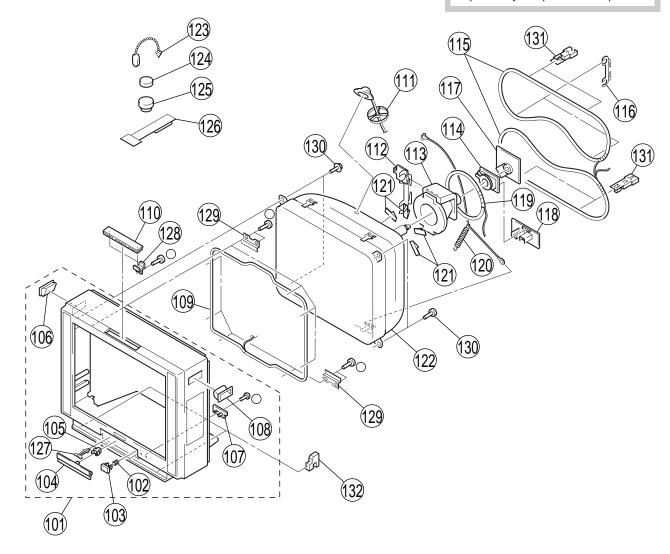


| REF.N | O. PART NO. | DESCRIPTION | REMARK | REF.N | IO. PART NO. | DESCRIPTION | REMARK |
|----------------|---------------|--|-------------------------|----------------|----------------|---|---------------------------|
| 51 52 | | A H7 BOARD, COMPLETE 1 CABLE, FLAT | | 63 | * A-1195-127-/ | A P3 BOARD, COMPLETE | 9M80/EF29M90) |
| 53 | | 1 SCREW (3X12), (+) BVTA | .P | 64 | * A-1190-301- | A P4 BOARD. COMPLETE | ooo, <u></u> ooo, |
| 54 | | A A BOARD, COMPLETE | 55, 61 F29M31/EFM61) | 65 66 | | A J BOARD, ĆOMPLETE) HOLDER, AC, CORD | |
| 54 | * A-1298-464- | A A BOARD, COMPLETE | 55, 61 (EF29M80:ME) | 67 | | CORD, POWER (WITH CO (EF29M61:EM/EF2 | |
| 54 | * A-1298-491- | A A BOARD, COMPLETE | 55, 61 (EF29M80:JE) | 67 | ₾ 1-574-358-11 | CORD, POWER (WITH CO | ONNECTOR) (EF29M31) |
| 54 | * A-1298-337- | A A BOARD, COMPLETE | 55, 61 (EF29M90) | 67 | ₾ 1-769-185-21 | CORD, POWER (WITH CO | ONNECTOR) (EF29M61:GE) |
| 54 | * A-1298-463- | A A BOARD, COMPLETE | 55, 61 (EF29M91) | 67 | ₾ 1-769-609-21 | CORD, POWER (WITH CO | |
| 55 56 | | A B3 BOARD, COMPLETE A S1 BOARD, COMPLETE | , | 68 69 | | BRACKET, TERMINAL A D2 BOARD, COMPLETE | , |
| 57 58 59 | * A-1343-417- | 1 BRACKET, DH A DH BOARD, COMPLETE 1 HOLDER. PWB | | 70 71 72 | * 1-555-110-00 | DISTRIBUTOR, RF CABLE, P-P LEAD ASSY, FOCUS | |
| 60 61 | * A-1293-943- | A A5 BOARD, COMPLETE A A3 BOARD, COMPLETE | | 73 74 | * A-1346-685-A | A D BOARD, COMPLETE FBT ASSY, NX-4122 | 74 |
| 62 63 | | A V3 BOARD, COMPLETE A P3 BOARD, COMPLETE (EF29M31/EF29M61/EF2 | 9M61/EF29M91) | 75 76 | | BRACKET, MAIN HOLDER, FBT | |

7-3. PICTURE TUBE

O: 7-685-648-79 SCREW +BVTP 3X12

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



| REF.N | O. PART NO. | DESCRIPTION | REMARK | REF.N | IO. PART NO. | DESCRIPTION | REMARK |
|-------|----------------|------------------------|--------------|-------|-----------------------|---------------------------|------------|
| 101 | X-4035-294-1 | BEZNET ASSY (EF29M61) | 102-108, 127 | 116 | * 4-054-297-01 | HOLDER, DGC | |
| 101 | X-4035-316-1 | BEZNET ASSY (EF29M80) | 102-108, 127 | 117 | * A-1331-745-A | C1 BOARD, COMPLETE | |
| 101 | X-4035-317-1 | BEZNET ASSY (EF29M31) | 102-108, 127 | 118 | * A-1342-375-A | VM BOARD, COMPLETE | |
| 101 | X-4035-293-1 | BEZNET ASSY (EF29M90) | 102-108, 127 | 119 | ₾ 1-452-896-11 | COIL, NA ROTATION (RT200) | |
| 101 | X-4035-315-1 | BEZNET ASSY (EF29M91) | 102-108, 127 | 120 | 4-369-318-00 | SPRING, TENSION | |
| 102 | 4-036-405-01 | SPRING, COMPRESSION | | 121 | 3-703-961-01 | SPACER, DY | |
| 103 | 4-062-942-01 | BUTTON, POWER | | 122 | △ 8-735-041-05 | PICTURE TUBE (M68LNH010) | () |
| 104 | 4-062-948-01 | DOOR, CONTROL | | | | (Except KV-E29M80) | |
| 105 | 4-047-464-01 | CATCHER, PUSH | | | A 8-735-042-05 | PICTURE TUBE (M68LNH010) | () |
| 106 | X-4033-023-2 | HANDLE ASSY (LEFT) | | | | (KV-EF29M80(JE) only) | |
| | | | | 123 | 4-308-870-00 | CLIP, LEAD WIRE | |
| 107 | | GUIDE, LIGHT | | 124 | 1-452-032-00 | MAGNET, DISC:10mmφ | |
| 108 | | HANDLE ASSY (RIGHT) | | 125 | 1-452-094-00 | CIRCULAR DISC MAGNET B(| 120) |
| 109 | | COIL, MAGUNETIC CORREC | CTION | | | | |
| 110 | | SWITCH, TOP | | 126 | | PIECE B(120), CONV. CORRE | |
| 111 | 3-704-372-01 | HOLDER, HV CABLE | | 127 | | DAMPER (EF29M31/EF29M80 | /EF29M91) |
| | | | | 128 | | HOLDER, TOP SWITCH | |
| 112 | | PLATE, TLH CORRECTION | | 129 | | HOLDER, COIL | |
| 113 | | DEFLECTION YOKE (Y29RS | SA-M) | 130 | 4-046-765-01 | SCREW, TAPPING | |
| 114 | | NECK ASSY (NA299-M) | | | | | |
| 115 | △ 1-416-495-11 | COIL, DEMAGNETIC | | 131 | * 4-062-970-01 | | |
| | | | | 132 | * 4-062-938-01 | SUPPORTER, CRT | |

SECTION 8 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

• Items marked " * " are not stocked since RESISTORS they are seldom required for routine • All resistors are in ohms service. Some delay should be anticipated • F: nonflammable when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

| REF.NO. | PART NO. | DESCRIPTION | | RE | MARK | REF.NO. | PART NO. | DESCRIPTION | | RE | MARK |
|-------------------------|--|---|---|---------------------------------|---------------------------------|-------------------------|--|---|-------------------|-----------------|---------------------------------|
| * | A-1190-301-A | P4 BOARD,COM | | | | | | <resistor></resistor> | | | |
| | 4-382-854-11 | SCREW (M3X10 | 0), P, SW (- | +) | | R2462 | 1-249-417-11 1-249-417-11 1-212-946-11 | CARBON | 1K 1K 3.3 | 5% 5% 5% | 1/4W 1/4W 1/2W F |
| | | <capacitor></capacitor> | | | | | 1-249-417-11 1-249-417-11 | | 1K 1K | 5% 5% | 1/4W 1/4W |
| C2467 C2468 C2469 | 1-102-129-00 1-104-665-11 1-102-129-00 1-102-129-00 1-102-129-00 | ELECT CERAMIC CERAMIC | 0.01MF 100MF 0.01MF 0.01MF 0.01MF | 10% 20% 10% 10% 10% | 50V 25V 50V 50V 50V | R2478 | 1-247-807-31 1-247-807-31 1-247-807-31 | CARBON | 100 100 100 | 5% 5% 5% | 1/4W 1/4W 1/4W |
| C2475 C2476 C2478 | 1-102-129-00 1-102-129-00 1-136-173-00 1-102-129-00 | CERAMIC FILM CERAMIC | 0.01MF 0.01MF 0.47MF 0.01MF | 10% 10% 5% 10% | 50V 50V 50V 50V | TU2400 | 8-598-373-10 | <tuner></tuner> | TF-FG431 | | |
| | 1-126-968-11 1-102-129-00 | | 100MF 0.01MF | 20% | 50V 50V | ****** | ****** | ******* | ***** | ***** | ***** |
| C2482 | 1-126-933-11 1-102-129-00 | CERAMIC | 100MF 0.01MF | 20% | 16V 50V | * | A-1195-127-A | P3 BOARD,CON | | /-EF29M8 | 80/M90) |
| | 1-128-551-11 1-128-551-11 | _ | 22MF 22MF | 20% 20% | 25V 25V | * | A-1195-128-A | P3 BOARD,CON | //PLETE (K | /-EF29M3 | 1/M61/M91) |
| C2486 | 1-126-933-11 1-102-129-00 1-102-129-00 | CERAMIC | 100MF 0.01MF 0.01MF | 20% 10% 10% | 16V 50V 50V | | 4-055-114-01 | CASE (UPPER I CASE (BOTTON SHEET (P3), INS | 1 LÍĎ), SHII | | |
| | | <connector:< td=""><td>></td><td></td><td></td><td></td><td></td><td><capacitor></capacitor></td><td></td><td></td><td></td></connector:<> | > | | | | | <capacitor></capacitor> | | | |
| | | 1 CONNECTOR, 1 PLUG, CONNE | | O BOAR | D 15P | C1402 | 1-126-960-11 | CERAMIC CHIP ELECT | 1MF | 10% 20% | 50V 50V |
| | | <ic></ic> | | | | C1404 | 1-163-037-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.022MF | | 16V 50V 50V |
| | | IC NJM78L05A IC NJM78M09F | A | | | C1406 C1407 | 1-163-037-11 1-163-231-11 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.022MF 15PF | 10% 5% 5% | 50V 50V 50V |
| | | <coil></coil> | | | | C1409 | 1-164-004-11 | CERAMIC CHIP CERAMIC CHIP | 0.1MF | 10% | 25V 16V |
| L2401 L2402 L2403 | 1-408-409-00 1-408-409-00 1-408-409-00 1-408-409-00 1-408-409-00 | INDUCTOR INDUCTOR INDUCTOR | 10UH 10UH 10UH 10UH 10UH | | | C1412 C1413 C1414 | 1-163-038-91 1-163-038-91 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT | 0.1MF 0.1MF | 20% | 25V 25V 25V 25V 16V |
| Q2417 | 8-729-119-78 | <transistor td="" transistor<=""><td></td><td>HFE</td><td></td><td>C1417 C1418 C1419</td><td>1-163-001-11 1-164-005-11</td><td>ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP</td><td>220PF 0.47MF</td><td>20% 10%</td><td>25V 25V 50V 25V 25V</td></transistor> | | HFE | | C1417 C1418 C1419 | 1-163-001-11 1-164-005-11 | ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 220PF 0.47MF | 20% 10% | 25V 25V 50V 25V 25V |



| | | | | | | | | | | L | |
|---------|--------------|------------------|---------|-------------|------------|---------|--------------|---|----------|------------|------------|
| REF.NO. | PART NO. | DESCRIPTION | | RE | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
| 04404 | 4 400 000 04 | 0554440 0145 | 0.4145 | | 05) (| 04400 | 4 400 000 44 | FLEOT | 400145 | 000/ | 40) (|
| - | | CERAMIC CHIP | | | 25V | | 1-126-933-11 | | | 20% | 16V |
| | | CERAMIC CHIP | | | 25V | | 1-126-933-11 | | | 20% | 16V |
| | 1-104-664-11 | | 47MF | 20% | 25V | | | CERAMIC CHIP | | | 25V |
| | | CERAMIC CHIP | | 5% | 50V | | 1-104-664-11 | | | 20% | 25V |
| C1427 | 1-164-345-11 | CERAMIC CHIP | 0.082MF | 10% | 25V | C1498 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C1428 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V | C1499 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V |
| | 1-126-933-11 | | 100MF | 20% | 16V | 01100 | 1 100 000 01 | OLI WILLIO OF III | 0.11411 | | 201 |
| | | CERAMIC CHIP | | 2070 | 25V | | | | | | |
| | | CERAMIC CHIP | | | 25V 25V | | | <connector:< td=""><td></td><td></td><td></td></connector:<> | | | |
| | | | 47MF | 200/ | | | | CONNECTOR. | > | | |
| C1433 | 1-104-664-11 | ELECT | 47 IVIF | 20% | 25V | CNI404 | 1 766 004 11 | CONNECTOR, I | POARD TO | DO A D | D 10D |
| 04.404 | 4 400 000 04 | CEDAMIC CLUD | 0.4145 | | 051/ | | | , | | | |
| | | CERAMIC CHIP | | 000/ | 25V | | | CONNECTOR, I | | BUAR | D 10P |
| | 1-104-664-11 | | 47MF | 20% | 25V | CN403 | 1-564-508-11 | PLUG, CONNEC | | 01.40.4 (1 | 404 (8404) |
| | | CERAMIC CHIP | | | 16V | | | | , | 91/131/1 | M61/M91) |
| | | CERAMIC CHIP | | | 16V | CN404* | 1-564-508-11 | PLUG, CONNEC | CTOR 5P | | |
| C1439 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V | | | | | | |
| C1440 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V | | | <ferrite bea<="" td=""><td>D></td><td></td><td></td></ferrite> | D> | | |
| | 1-126-933-11 | | 100MF | 20% | 10V | | | | | | |
| - | | CERAMIC CHIP | 0.056MF | | 25V | FB1401 | 1-412-911-11 | FFRRITF | 0UH | | |
| | | CERAMIC CHIP | | | 50V | | 1-412-911-11 | | 0UH | | |
| | 1-126-960-11 | | 1MF | 20% | 50V | _ | 1-412-911-11 | | 0UH | | |
| C1444 | 1-120-900-11 | LLLCI | TIVII | 20 /0 | 30 V | FB1403 | 1-412-911-11 | ITERRITE | 0011 | | |
| C1445 | 1-126-960-11 | FLECT | 1MF | 20% | 50V | | | | | | |
| | 1-126-960-11 | | 1MF | 20% | 50V | | | <filter></filter> | | | |
| | 1-126-933-11 | | 100MF | 20% | 10V | | | VI ILI LIV | | | |
| | | CERAMIC CHIP | | 2070 | 25V | EI 1401 | 1-236-728-41 | ENCAPSULATE | D COMPON | JENIT | |
| | | CERAMIC CHIP | | 5% | 50V | FL1401 | 1-230-720-41 | LINCAPSOLATE | D CONFO | NLIN I | |
| 01449 | 1-103-231-11 | CERAINIC CHIF | TOOFT | J /0 | 30 V | | | | | | |
| C1450 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V | | | <ic></ic> | | | |
| | | CERAMIC CHIP | | | 25V | | | | | | |
| | | CERAMIC CHIP | | 5% | 50V | IC1401 | 8-759-183-35 | IC TDA9160A | | | |
| | 1-126-933-11 | | 100MF | 20% | 10V | | | IC TDA4665T-T | | | |
| | | CERAMIC CHIP | | 20 /0 | 25V | | 8-759-278-95 | | | | |
| 01433 | 1-103-030-91 | CENAIVIIC CI IIF | O. HVII | | 23 V | | 8-759-231-55 | | | | |
| C1 4E6 | 1 164 246 14 | CEDAMIC CLUD | 111 | | 16\/ | | | | CEC. | | |
| | | CERAMIC CHIP | | | 16V | 10 1406 | 6-759-246-15 | IC SDA9187-2X | GEG | | |
| | | CERAMIC CHIP | | | 25V | 101407 | 0.750.460.04 | IC CDA0400VCI | -C \ 122 | | |
| | | CERAMIC CHIP | | 5 0/ | 25V | | | IC SDA9189XGI | EGA132 | | |
| | | CERAMIC CHIP | | 5% | 50V | | 8-759-231-53 | | | | |
| C1461 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V | | 8-759-231-53 | | | | |
| | | | | | | _ | | IC HEF4053BT | | | |
| | | CERAMIC CHIP | | 5% | 50V | IC1412 | 8-759-439-64 | IC HEF4053BT | | | |
| | | CERAMIC CHIP | 27PF | 5% | 50V | | | | | | |
| | 1-126-933-11 | | 100MF | 20% | 10V | | | IC CXA1875AM | ·T4 | | |
| C1465 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V | IC1414 | 8-759-439-64 | IC HEF4053BT | | | |
| C1467 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V | | | | | | |
| 04.400 | 4 460 000 01 | CEDAMIC OF U.S. | 0.4845 | | 051/ | | | CHID CONDU | CTOD: | | |
| | | CERAMIC CHIP | | E0/ | 25V | | | <chip conduc<="" td=""><td>JIUK></td><td></td><td></td></chip> | JIUK> | | |
| | | CERAMIC CHIP | | 5% | 50V | ID4404 | 4 040 005 04 | CLIODT | 0 | | |
| | | CERAMIC CHIP | | | 50V | | 1-216-295-91 | | 0 | | |
| | | CERAMIC CHIP | | 10% | 25V | | 1-216-295-91 | | 0 | | |
| C1472 | 1-163-249-11 | CERAMIC CHIP | 82PF | 5% | 50V | | 1-216-295-91 | | 0 | | |
| 04.470 | 1 162 020 01 | CEDAMIC OLUB | 0.4145 | | 251/ | JK1407 | 1-216-295-91 | SHOKI | 0 | | |
| | | CERAMIC CHIP | | 200/ | 25V | | | | | | |
| | 1-126-933-11 | | 100MF | 20% | 10V | | | .0011 | | | |
| | | CERAMIC CHIP | | 0001 | 25V | | | <coil></coil> | | | |
| | 1-126-933-11 | | 100MF | 20% | 10V | | | | | | |
| C1478 | 1-164-346-11 | CERAMIC CHIP | | | 16V | | 1-408-609-41 | | 33UH | | |
| | | | (KV-EF | 29M31/N | //60/M91) | | 1-412-537-31 | | 100UH | | |
| | | | | | | | 1-412-537-31 | | 100UH | | |
| | | CERAMIC CHIP | | 5% | 50V | | 1-408-409-00 | | 10UH | | |
| C1480 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V | L1405 | 1-408-409-00 | INDUCTOR | 10UH | | |
| C1481 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V | | | | | | |
| C1488 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V | L1406 | 1-408-409-00 | INDUCTOR | 10UH | | |
| C1489 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V | L1407 | 1-408-412-00 | INDUCTOR | 18UH | | |
| | | | | | | L1408 | 1-408-409-00 | INDUCTOR | 10UH | | |
| | | | | | | | | | | | |



| REF.NO. | → PART NO. | DESCRIPTION | N REMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
|---------|---------------|--|--|---------|------------------------------|-----------------------|----------------|-----------------|-------------------|
| | | | | | | | | | |
| | 1-408-409-00 | | 10UH | | | TRANSISTOR 2 | | | |
| L1411 | 1-408-409-00 | INDUCTOR | 10UH | | | TRANSISTOR 2 | | | |
| L1412 | 1-408-409-00 | INDUCTOR | 10UH | QITOT | 0 720 210 22 | TIVALIOIOTOR 2 | .OAT102 G | | |
| L1413 | 1-408-417-00 | INDUCTOR | 47UH | | | | | | |
| | | | | | | <resistor></resistor> | | | |
| | | <transistor< td=""><td>3></td><td>R1401</td><td>1-216-073-00</td><td>RES.CHIP</td><td>10K</td><td>5%</td><td>1/10W</td></transistor<> | 3> | R1401 | 1-216-073-00 | RES.CHIP | 10K | 5% | 1/10W |
| | | | - | _ | 1-216-097-91 | - / - | 100K | 5% | 1/10W |
| | | | 2SC2712-YG-TE85L | 1 | 1-216-097-91 | , | 100K | 5% | 1/10W |
| | | TRANSISTOR TRANSISTOR | | _ | 1-216-083-00 1-216-689-11 | - / - | 27K 39K | 5% 5% | 1/10W 1/10W |
| | | | 2SC2712-YG-TE85L | 111400 | 1 210 000 11 | rteo,orm | OOK | 070 | 1/1000 |
| Q1405 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | 1-216-025-91 | * | 100 | 5% | 1/10W |
| 04.400 | 0.700.000.40 | TDANGICTOD | 0000740 VO TEOEL | | 1-216-025-91 | , | 100 | 5% | 1/10W |
| | | TRANSISTOR | 2SC2712-YG-TE85L DTC114FK | | 1-216-025-91 1-216-109-00 | * | 100 330K | 5% 5% | 1/10W 1/10W |
| | | TRANSISTOR | | 1 | 1-216-105-91 | , | 220K | 5% | 1/10W |
| | | TRANSISTOR | | | | | | | |
| Q1410 | 8-729-216-22 | TRANSISTOR | 2SA1162-G | 1 | 1-216-049-91 1-216-051-00 | , | 1K 1.2K | 5% 5% | 1/10W 1/10W |
| Q1411 | 8-729-216-22 | TRANSISTOR | 2SA1162-G | | 1-216-051-00 | | 2.2K | 5% | 1/10W |
| | | | 2SC2712-YG-TE85L | | 1-216-039-00 | * | 390 | 5% | 1/10W |
| | | TRANSISTOR | | R1416 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| | | TRANSISTOR TRANSISTOR | | D1/17 | 1-216-089-91 | DEC CUID | 47K | 5% | 1/10W |
| Q1413 | 0-729-210-22 | TRANSISTOR | 25A1102-G | 1 | 1-216-051-00 | , | 1.2K | 5% | 1/10W |
| Q1416 | 8-729-216-22 | TRANSISTOR | 2SA1162-G | | 1-216-045-00 | | 680 | 5% | 1/10W |
| Q1418 | 8-729-216-22 | TRANSISTOR | | 1 | 1-216-045-00 | , | 680 | 5% | 1/10W |
| O1419 | 8-720-230-40 | TRANSISTOR | (KV-EF29M31/M61/M91) 2SC2712-YG-TE85L | R1422 | 1-216-039-00 | RES,CHIP | 390 (K\/-EE | 5% 20M31/ | 1/10W M61/M91) |
| | | | (KV-EF29M31/M61/M91) | | | | (ICV-LI 2 | LOIVIO I/I | 101710131) |
| Q1421 | 8-729-230-49 | TRANSISTOR | 2SC2712-YG-TE85L | 1 | 1-216-001-00 | , | 10 | 5% | 1/10W |
| 04.400 | 0.700.040.00 | TDANGICTOD | (KV-EF29M31/M61/M91) | | 1-216-001-00 | * | 10 | 5% | 1/10W |
| Q1422 | 0-729-210-22 | TRANSISTOR | (KV-EF29M31/M61/M91) | 1 | 1-216-053-00 1-216-065-00 | , | 1.5K 4.7K | 5% 5% | 1/10W 1/10W |
| | | | (*** =* =****************************** | 1 | 1-216-067-00 | | 5.6K | 5% | 1/10W |
| Q1423 | 8-729-230-49 | TRANSISTOR | 2SC2712-YG-TE85L | D4 400 | 4 040 050 00 | DEO OLUD | 4.51/ | 5 0/ | 4 (4 0) 4 (|
| 01424 | 8-720-216-22 | TRANSISTOR | (KV-EF29M31/M61/M91) | 1 | 1-216-053-00 1-216-089-91 | | 1.5K 47K | 5% 5% | 1/10W 1/10W |
| Q 1727 | 0 723 210 22 | TRANSISTOR | (KV-EF29M31/M61/M91) | 1 | 1-216-025-91 | * | 100 | 5% | 1/10W |
| Q1425 | 8-729-230-49 | TRANSISTOR | 2SC2712-YG-TE85L | 1 | 1-216-025-91 | | 100 | 5% | 1/10W |
| 01406 | 0 700 000 40 | TDANCICTOR | (KV-EF29M31/M61/M91) 2SC2712-YG-TE85L | R1435 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| Q1426 | 6-729-230-49 | TRANSISTOR | (KV-EF29M31/M61/M91) | R1436 | 1-216-049-91 | RES.CHIP | 1K | 5% | 1/10W |
| Q1427 | 8-729-216-22 | TRANSISTOR | | | 1-216-049-91 | | 1K | 5% | 1/10W |
| | | | | 1 | 1-216-049-91 | * | 1K | 5% | 1/10W |
| Q1428 | 8-729-230-49 | TRANSISTOR | 2SC2712-YG-TE85L (KV-EF29M31/M61/M91) | 1 | 1-216-025-91 1-216-025-91 | , | 100 100 | 5% 5% | 1/10W 1/10W |
| Q1429 | 8-729-230-49 | TRANSISTOR | 2SC2712-YG-TE85L | 171440 | 1-210-023-91 | KES,CI III | 100 | 3 /0 | 1/1000 |
| | | | (KV-EF29M31/M61/M91) | | 1-216-295-91 | | 0 | | |
| | | | 2SC2712-YG-TE85L | R1442 | 1-216-031-00 | RES,CHIP | 180 | 5% | 1/10W |
| | | | 2SC2712-YG-TE85L 2SC2712-YG-TE85L | R1443 | 1-216-059-00 | RES CHIP | 2.7K | 291VI31/I 5% | M61/M91) 1/10W |
| Q1102 | 0.120.200.10 | 110 4101010101 | 2002/12 10 12002 | 111110 | 1 210 000 00 | 1120,01 | | | M61/M91) |
| | | | 2SC2712-YG-TE85L | | | METAL OXIDE | | 5% | 3W F |
| | | | 2SC2712-YG-TE85L 2SC2712-YG-TE85L | R1446 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| | | | 2SC2712-1G-1E65L 2SC2712-YG-TE85L | R1447 | 1-216-041-00 | RES.CHIP | 470 | 5% | 1/10W |
| | | TRANSISTOR | | 1 | 1-216-041-00 | , | 470 | 5% | 1/10W |
| 04:55 | 0.700.040.05 | TD ANGIOTOT | 0044400 0 | 1 | 1-216-059-00 | * | 2.7K | 5% | 1/10W |
| | | TRANSISTOR | 2SA1162-G 2SC2712-YG-TE85L | | 1-216-049-91 1-216-295-91 | , | 1K 0 | 5% | 1/10W |
| | | | 2SC2712-1G-1E65L 2SC2712-YG-TE85L | 111402 | 1-210-230-31 | OI IOIX I | 5 | | |
| Q1441 | 8-729-230-49 | TRANSISTOR | 2SC2712-YG-TE85L | | 1-216-049-91 | | 1K | 5% | 1/10W |
| Q1442 | 8-729-230-49 | TRANSISTOR | 2SC2712-YG-TE85L | 1 | 1-216-049-91 | | 1K | 5% 5% | 1/10W |
| | | | | K1455 | 1-216-049-91 | KES,UHIP | 1K | 5% | 1/10W |



| REF.NO. | PART NO. | DESCRIPTION | | RE | MARK | REF.NO. | PART NO. | DESCRIPTION | | RE | EMARK |
|---------|---------------|-------------|---------|-------------|--------------------|---------|--------------|---------------------|------------|---------|-----------|
| D1/156 | 1-208-778-11 | DEC CHID | 680 | 0.50% | 1/10\\/ | D1627 | 1-216-049-91 | DEC CHID | 1K | 5% | 1/10W |
| | | , | | | | | | , | | | |
| | 1-216-073-00 | • | | 5% | 1/10W | | 1-216-049-91 | | 1K | 5% | 1/10W |
| R1458 | 1-208-776-11 | | | 0.50% | | R1629 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| R1459 | 1-208-801-11 | RES,CHIP | 6.2K | 0.50% | 1/10W | | | | (KV-EF2 | 29M31/N | //61/M91) |
| R1460 | 1-216-295-91 | SHORT | 0 | | | R1630 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| | | | | | | | | • | (KV-EF2 | 29M31/N | /161/M91) |
| R1461 | 1-216-051-00 | RES CHIP | 1.2K | 5% | 1/10W | R1631 | 1-216-025-91 | RES CHIP | 100 | 5% | 1/10W |
| | 1-216-073-00 | | 1.2K | | 1/10W | 10001 | 1210-020-01 | INEO,OI III | 100 | 370 | 1/1000 |
| | | • | | | | D4633 | 1 016 005 01 | DEC CLUD | 100 | E0/ | 1/10W |
| | 1-216-063-91 | | | 5% | 1/10W | | 1-216-025-91 | , | 100 | 5% | |
| | 1-216-067-00 | , | 5.6K | 5% | 1/10W | | 1-216-025-91 | | 100 | 5% | 1/10W |
| R1465 | 1-216-047-91 | RES,CHIP | 820 | 5% | 1/10W | R1634 | 1-216-295-91 | SHORT | 0 | | |
| | | | (KV-EF2 | 9M31/N | 161/M91) | R1635 | 1-216-295-91 | SHORT | 0 | | |
| | | | | | | R1636 | 1-216-295-91 | SHORT | 0 | | |
| R1466 | 1-216-059-00 | RES.CHIP | 2.7K | 5% | 1/10W | | | | | | |
| | | | | | 161/M91) | R1637 | 1-216-049-91 | RES CHIP | 1K | 5% | 1/10W |
| D1/67 | 1-216-059-00 | DEC CHID | 2.7K | 5% | 1/10W | | 1-216-055-00 | | 1.8K | 5% | 1/10W |
| K1401 | 1-210-039-00 | KLS,CI IIF | | | | | | * | | | |
| D.4.400 | 4 040 040 04 | DEC CLUD | • | | 161/M91) | | 1-216-091-00 | , | 56K | 5% | 1/10W |
| R1468 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | | 1-216-049-91 | | 1K | 5% | 1/10W |
| | | | (KV-EF2 | 9M31/N | 161/M91) | R1641 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R1469 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | | | | | | |
| | | | (KV-EF2 | 9M31/W | 161/M91) | R1642 | 1-216-049-91 | RES.CHIP | 1K | 5% | 1/10W |
| R1470 | 1-216-105-91 | RES CHIP | 220K | 5% | 1/10W | | 1-216-057-00 | | 2.2K | 5% | 1/10W |
| 1(1470 | 1 210 100 01 | 1120,01111 | | | 161/M91) | | 1-216-091-00 | , | 56K | 5% | 1/10W |
| | | | (KV-LIZ | .SIVIS I/IV | 10 1/1019 1) | | 1-216-091-00 | | | | |
| D. 474 | 4 040 404 00 | DEC CLUD | 45016 | 5 0/ | 4 /4 0) 4 / | | | * | 1K | 5% | 1/10W |
| R14/1 | 1-216-101-00 | RES,CHIP | | 5% | 1/10W | R1646 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| | | | (KV-EF2 | 9M31/N | 161/M91) | | | | | | |
| R1472 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | R1647 | 1-216-035-00 | RES,CHIP | 270 | 5% | 1/10W |
| | | | (KV-EF2 | 9M31/W | 161/M91) | R1648 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1473 | 1-216-033-00 | RES.CHIP | 220 | 5% | 1/10W [^] | R1649 | 1-216-049-91 | RES.CHIP | 1K | 5% | 1/10W |
| | | | | | 161/M91) | | 1-216-091-00 | | 56K | 5% | 1/10W |
| D1/17/ | 1-216-033-00 | DEC CHID | 220 | 5% | 1/10W | | 1-216-091-00 | | 56K | 5% | 1/10W |
| K14/4 | 1-210-033-00 | KES,CHIP | | | | K 1051 | 1-210-091-00 | KES,CHIF | SOK | 370 | 1/1000 |
| 5 | | 01100= | | 910131/10 | 161/M91) | 5 | | 556 01115 | | | |
| R1475 | 1-216-295-91 | SHORT | 0 | | | | 1-216-065-00 | | 4.7K | 5% | 1/10W |
| | | | | | | R1653 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W |
| R1476 | 1-216-053-00 | RES,CHIP | 1.5K | 5% | 1/10W | R1654 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R1477 | 1-216-047-91 | RES.CHIP | 820 | 5% | 1/10W | R1655 | 1-216-025-91 | RES.CHIP | 100 | 5% | 1/10W |
| | 1-216-047-91 | • | | 5% | 1/10W | | 1-216-035-00 | | 270 | 5% | 1/10W |
| | 1-208-780-11 | , | | 0.50% | | 111000 | 1 210 000 00 | 1120,01111 | 210 | 0 70 | 171000 |
| | | • | | | | D4057 | 4 040 007 00 | DEC CLUD | 220 | F0/ | 1/10W |
| K 1460 | 1-216-053-00 | RES,CHIP | 1.5K | 5% | 1/10W | | 1-216-037-00 | | 330 | 5% | |
| | | | | | | | 1-216-049-91 | - / - | 1K | 5% | 1/10W |
| | 1-216-059-00 | | | 5% | 1/10W | | 1-216-051-00 | | 1.2K | 5% | 1/10W |
| R1482 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W | R1660 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1484 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | R1661 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| | 1-216-059-00 | • | 2.7K | 5% | 1/10W | | | * | | | |
| | | | | | 161/M91) | R1662 | 1-216-049-91 | RES CHIP | 1K | 5% | 1/10W |
| D1107 | 1 216 072 00 | DEC CHID | 10K | 5% | 1/10W | | 1-216-033-00 | | 220 | | 1/10W |
| K 1407 | 1-216-073-00 | KES,CHIP | IUK | 370 | 1/1000 | | | , | | 5% | |
| D. 404 | 4 040 040 04 | DEC CLUD | 417 | 5 0/ | 4 /4 0) 4 / | | 1-216-049-91 | | 1K | 5% | 1/10W |
| R1491 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | | 1-216-295-91 | | 0 | | |
| | | | (KV-EF2 | 9M31/N | 161/M91) | R1666 | 1-216-295-91 | SHORT | 0 | | |
| R1492 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | | | | | | |
| | | | (KV-EF2 | 9M31/W | 161/M91) | R1668 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1493 | 1-216-049-91 | RES CHIP | 1K | 5% | 1/10W | | 1-216-035-00 | | 270 | 5% | 1/10W |
| 111100 | 1 210 0 10 01 | 1120,01111 | | | 161/M91) | | 1-216-035-00 | | 270 | 5% | 1/10W |
| D4404 | 1 016 050 00 | DEC CLUD | , | | , | | | | | | |
| R1494 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W | | 1-216-037-00 | • | 330 | 5% | 1/10W |
| | | | ` | | 161/M91) | R1672 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R1495 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W | | | | | | |
| | | | | | | | | | | | |
| R1496 | 1-216-049-91 | RES.CHIP | 1K | 5% | 1/10W | | | <crystal></crystal> | | | |
| | | * = | | | 161/M91) | | | | | | |
| R1407 | 1-216-049-91 | RES CHIP | 1K | 5% | 1/10W | X14∩1 | 1-767-881-11 | VIBRATOR, CR | YSTAL (A A | 3MH=1 | |
| 101-101 | . 210 040 01 | ,01111 | | | | | | • | ` | , | |
| D4400 | 4 040 040 0: | DE0 01 "D | | | 161/M91) | | | VIBRATOR, CR | , | , | |
| K1498 | 1-216-049-91 | KES,CHIP | 1K | 5% | 1/10W | X1403 | 1-760-095-21 | VIBRATOR, CR | YSTAL(20.4 | 48MHz) | |
| | | | (KV-EF2 | 9M31/N | 161/M91) | | | | | | |
| R1499 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | | | | | | |
| | | | (KV-EF2 | 9M31/N | 161/M91) | | | | | | |
| R1626 | 1-216-049-91 | RES.CHIP | 1K | 5% | 1/10W | ****** | ****** | ****** | ****** | ****** | ***** |
| | | , | | | | | | | | | |



| / \ | | | | | | | | | | | |
|--------|----------------|-----------------------------------|-------------|---------------|--------------|------------------------------|-------------------|----------|-------------------|------------|------------|
| REF.NO | . PART NO. | DESCRIPTION | R | EMARK | REF.NO. | PART NO. | DESCRIPT | TION | | RI | EMARK |
| | * A-1298-337-A | A BOARD,COMPLETE (K\ | /-EF29N | Л 90) | C044 | 1-163-251-11 | CERAMIC (| CHIP | 100PF | 5% | 50V |
| | | ******* | | | C045 | 1-216-295-91 | | | 0 | | |
| | * A-1298-339-A | \A BOARD,COMPLETE (K\ ******** | /-EF29N | //31/M61) | C046 | 1-163-251-11 | CERAMIC (| CHIP | 100PF | 5% | 50V |
| | * A-1298-463-A | A BOARD,COMPLETE (K\ | /-EF29N | <i>I</i> /91) | C048 | 1-163-251-11 | CERAMIC (| CHIP | 100PF | 5% | 50V |
| | | ******* | | | C049 | 1-163-251-11 | | | | 5% | 50V |
| | * A-1298-464-A | AA BOARD,COMPLETE (K\ | /-EF29N | /l80(ME)) | C050 | 1-163-251-11 | | | | 5% | 50V |
| | | ******* | | | C051 | 1-163-251-11 | | | | 5% | 50V |
| | * A-1298-491-A | \A BOARD,COMPLETE (K\ ******** | /-EF29N | //80(JE)) | C052 | 1-164-004-11 | CERAMIC | CHIP | 0.1MF | 10% | 25V |
| | | | | | C053 | 1-164-004-11 | CERAMIC (| CHIP | 0.1MF | 10% | 25V |
| | * 4-049-131-01 | CASE (A), SHIELD | | | C054 | 1-164-232-11 | CERAMIC (| CHIP | 0.01MF | 10% | 50V |
| | 4-382-854-11 | SCREW (M3X10), P, SW (| +) | | C055 | 1-126-933-11 | ELECT | /1/ | 100MF | 20% | 16V |
| | | | | | C055 | 1-126-941-11 | ELECT | (N | V-EF29M3 470MF | 20% | 16V |
| | | <capacitor></capacitor> | | | C033 | 1-120-941-11 | ELECT | | 47 OIVIF | | F29M80) |
| | | CAFACITOR> | | | C056 | 1-163-011-11 | CERAMIC | CHIP | 0.0015MF | • | 50V |
| C001 | 1-163-011-11 | CERAMIC CHIP 0.0015MF | 10% | 50V | 0030 | 1-103-011-11 | CLIVAINIC | JI III | 0.00131111 | 10 /0 | 30 V |
| C002 | 1-126-965-11 | | 20% | 50V | C057 | 1-163-001-11 | CERAMIC | CHIP | 220PF | 10% | 50V |
| C003 | | CERAMIC CHIP 100PF | 5% | 50V | C060 | 1-126-933-11 | | J1 III | 100MF | 20% | 16V |
| C004 | 1-126-961-11 | | 20% | 50V | C061 | 1-164-004-11 | | CHIP | | 10% | 25V |
| C005 | | CERAMIC CHIP 100PF | 5% | 50V | C062 | 1-164-004-11 | - | | | 10% | 25V |
| 0000 | 1 100 201 11 | 02.0 mm 00.111 100.1 | 070 | 001 | C063 | 1-126-933-11 | - | J | 100MF | 20% | 16V |
| C006 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% | 50V | | | | | *** | | - |
| C007 | 1-126-959-11 | ELECT 0.47MF | 20% | 50V | C064 | 1-163-037-11 | CERAMIC (| CHIP | 0.022MF | 10% | 50V |
| C008 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% | 50V | C065 | 1-163-259-91 | CERAMIC (| CHIP | 220PF | 5% | 50V |
| C009 | 1-163-275-11 | CERAMIC CHIP 0.001MF | 5% | 50V | C066 | 1-163-259-91 | CERAMIC (| CHIP | 220PF | 5% | 50V |
| C010 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 50V | C067 | 1-163-259-91 | CERAMIC (| CHIP | 220PF | 5% | 50V |
| | | | | | C068 | 1-163-259-91 | | | | 5% | 50V |
| C011 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% | 50V | | | | | | | |
| C012 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% | 50V | C069 | 1-163-259-91 | CERAMIC | CHIP | 220PF | 5% | 50V |
| C013 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% | 50V | C072 | 1-124-119-00 | ELECT | | 330MF | 20% | 16V |
| C014 | 1-163-275-11 | CERAMIC CHIP 0.001MF | 5% | 50V | | | | (K | V-EF29M3 | 1/M61/N | И90/M91) |
| C015 | 1-101-884-00 | CERAMIC 56PF | 5% | 50V | C055 | 1-126-941-11 | ELECT | | 470MF | 20% | 16V |
| | | | | | | | | | | • | F29M80) |
| C016 | 1-101-884-00 | | 5% | 50V | C074 | 1-163-001-11 | | CHIP | | 10% | 50V |
| C017 | | CERAMIC CHIP 100PF | 5% | 50V | C078 | 1-126-933-11 | ELECT | | 100MF | 20% | 16V |
| C018 | | CERAMIC CHIP 18PF | 5% | 50V | | | | | | | ==== |
| C019 | | CERAMIC CHIP 0.001MF | 5% | 50V | C079 | 1-126-967-11 | | | 47MF | 20% | 50V |
| C020 | 1-163-259-91 | CERAMIC CHIP 220PF | 5% | 50V | C080 | 1-164-232-11 | | | | 10% | 50V |
| 0004 | 4 400 075 44 | OFDANIO OLUB O COANE | 5 0/ | E01/ | C081 | 1-164-232-11 | | | | 10% | 50V |
| C021 | | CERAMIC CHIP 0.001MF | 5% | 50V | C084 | 1-164-232-11 | | | | 10% | 50V |
| C022 | 1-126-968-11 | | 20% | 50V | C085 | 1-164-232-11 | CERAMIC | JHIP | 0.01MF | 10% | 50V |
| C023 | | CERAMIC CHIP 0.001MF | | 50V | 0000 | 4 404 000 44 | OED ANIO | רוום | 0.04145 | 4.00/ | F0\/ |
| C024 | | CERAMIC CHIP 220PF | 5% 5% | 50V | C086 | 1-164-232-11 | | | | 10% | 50V |
| C025 | 1-163-275-11 | CERAMIC CHIP 0.001MF | 5% | 50V | C087 | 1-164-232-11 | | | | 10% | 50V |
| C026 | 1-163 251 11 | CERAMIC CHIP 100PF | 5% | 50V | C088 C089 | 1-164-232-11 1-164-232-11 | | | | 10% 10% | 50V 50V |
| C026 | | CERAMIC CHIP 100PF | 5% 5% | 50V 50V | C089 | 1-164-232-11 | | אורוכ | 47MF | 20% | 50V 25V |
| C027 | | CERAMIC CHIP 100PF | 5% 5% | 50V 50V | C090 | 1-104-004-11 | LLEUI | | 4/ IVIF | 20% | 201 |
| C028 | | CERAMIC CHIP 220PF | 5% 5% | 50V 50V | C091 | 1-104-664-11 | FLECT | | 47MF | 20% | 25V |
| C029 | | | 10% | 50V 50V | C091 | 1-164-232-11 | | CHID | | 10% | 50V |
| 0000 | 1-100-001-11 | OLIVAINIO OF III U.UZZIVII | 10/0 | 30 V | C092 | 1-104-232-11 | _ | J1 1111" | 47MF | 20% | 25V |
| C031 | 1-163-243-11 | CERAMIC CHIP 47PF | 5% | 50V | 0000 | . 104 00 4 -11 | | | | | F29M80) |
| C032 | | CERAMIC CHIP 220PF | 5% | 50V | C101 | 1-126-960-11 | FLECT | | 1MF | 20% | 50V |
| C032 | | CERAMIC CHIP 2.2MF | J /0 | 16V | C101 | 1-163-251-11 | | CHIP | | 5% | 50V |
| C034 | | CERAMIC CHIP 0.1MF | 10% | 25V | 0.02 | 50 201 11 | J = . () ((V)) () | J. 111 | , 551 1 | 270 | |
| C035 | | CERAMIC CHIP 0.001MF | 10% | 50V | C105 | 1-163-037-11 | CERAMIC (| CHIP | 0.022MF | 10% | 50V |
| | | , 0.00 | | | C106 | 1-164-004-11 | | | | 10% | 25V |
| C037 | 1-163-259-91 | CERAMIC CHIP 220PF | 5% | 50V | C107 | 1-163-251-11 | | | | 5% | 50V |
| C038 | 1-126-968-11 | | 20% | 50V | C108 | 1-126-942-61 | | | 1000MF | 20% | 25V |
| C039 | | CERAMIC CHIP 100PF | 5% | 50V | C109 | 1-163-017-00 | | CHIP | | | 50V |
| C040 | | CERAMIC CHIP 100PF | 5% | 50V | | | | | | | |
| C041 | | CERAMIC CHIP 0.1MF | 10% | 25V | C118 | 1-126-965-11 | ELECT | | 22MF | 20% | 50V |
| | | | | | C119 | 1-163-031-11 | CERAMIC (| CHIP | 0.01MF | | 50V |
| C042 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% | 50V | C127 | 1-164-004-11 | CERAMIC (| CHIP | 0.1MF | 10% | 25V |
| C043 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% | 50V | C128 | 1-126-963-11 | ELECT | | 4.7MF | 20% | 50V |
| | | | | | | | | | | | |



| REF.NO. | PART NO. | DESCRIPTION | | RE | EMARK | REF.NO. | PART NO. | DESCRIPTION | | RE | MARK |
|---------|---------------|---------------------|------------|-------------|--------------|---------|--------------|-------------------|-------------|-------|--------------|
| C129 | 1-136-173-00 | FII M | 0.47MF | 5% | 50V | C219 | 1-104-664-11 | FLECT | 47MF | 20% | 25V |
| 0.20 | 1 100 170 00 | | 0. 17 1411 | 070 | 001 | | | CERAMIC CHIP | | 10% | 25V |
| C130 | 1-126-960-11 | FLECT | 1MF | 20% | 50V | C223 | | CERAMIC CHIP | | 10% | 25V |
| | 1-104-664-11 | | 47MF | 20% | 25V | | | CERAMIC CHIP | | 10% | 25V |
| | | CERAMIC CHIP | | 10% | 50V | C237 | 1-126-961-11 | | 2.2MF | 20% | 50V |
| | | | 0.47MF | | | C231 | 1-120-901-11 | ELECT | Z.ZIVIF | 20% | 30 V |
| | 1-126-959-11 | | | 20% | 50V | 0000 | 4 400 004 44 | FLECT | 0.0045 | 000/ | E01/ |
| C136 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V | C238 | 1-126-961-11 | | 2.2MF | 20% | 50V |
| 0407 | 4 400 400 00 | 0504440 0145 | 47005 | 5 0/ | E0) / | C240 | 1-126-960-11 | | 1MF | 20% | 50V |
| | | CERAMIC CHIP | | 5% | 50V | C241 | 1-128-550-11 | | 2200MF | 20% | 50V |
| | 1-126-964-11 | | 10MF | 20% | 50V | C242 | | CERAMIC CHIP | | 10% | 50V |
| | | CERAMIC CHIP | | 5% | 50V | C243 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| | 1-126-964-11 | | 10MF | 20% | 50V | | | | | | |
| C141 | 1-163-099-00 | CERAMIC CHIP | 18PF | 5% | 50V | C244 | 1-128-550-11 | ELECT | 2200MF | 20% | 50V |
| | | | | | | C245 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V |
| C142 | 1-126-959-11 | ELECT | 0.47MF | 20% | 50V | C246 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| C143 | 1-126-964-11 | ELECT | 10MF | 20% | 50V | C247 | 1-128-550-11 | ELECT | 2200MF | 20% | 50V |
| C145 | 1-126-964-11 | ELECT | 10MF | 20% | 50V | C248 | 1-130-495-00 | MYLAR | 0.1MF | 5% | 50V |
| C146 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V | | | | | | |
| | | CERAMIC CHIP | | 10% | 50V | C249 | 1-104-661-91 | FLECT | 330MF | 20% | 16V |
| 0111 | 1 10 1 202 11 | OLIO WING OTH | 0.011111 | 1070 | 001 | C250 | 1-104-661-91 | | 330MF | 20% | 16V |
| C148 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V | C251 | 1-126-934-11 | | 220MF | 20% | 16V |
| C149 | | CERAMIC CHIP | | | 16V | C262 | | CERAMIC CHIP | | | 50V |
| | | | | | 16V 16V | C262 | | | | | |
| C150 | | CERAMIC CHIP | | 4.00/ | | C263 | 1-104-101-11 | CERAMIC CHIP | 0.0022IVIF | 10% | 50V |
| C151 | | CERAMIC CHIP | | 10% | 50V | 0004 | 4 400 047 00 | 0504440 0140 | 0 00 471 45 | 4007 | E0) (|
| C152 | 1-104-664-11 | ELECT | 47MF | 20% | 25V | C264 | | CERAMIC CHIP | | 10% | 50V |
| | | | | | | | | CERAMIC CHIP | | | 16V |
| | | CERAMIC CHIP | | 10% | 50V | C266 | | CERAMIC CHIP | | | 16V |
| | 1-126-961-11 | | 2.2MF | 20% | 50V | C267 | | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C155 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | C268 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C156 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V | | | | | | |
| C157 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | C269 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| | | | | | | C270 | 1-163-809-11 | CERAMIC CHIP | 0.047MF | 10% | 25V |
| C158 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V | C301 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C159 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | C302 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| | | CERAMIC CHIP | | | 16V | C303 | 1-104-664-11 | | 47MF | 20% | 25V |
| | 1-126-934-11 | | 220MF | 20% | 16V | 0000 | | | | 2070 | |
| C163 | | CERAMIC CHIP | | _0,0 | 16V | C304 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| 0100 | 1 104 040 11 | OLIV WIIO OI III | 11411 | | 101 | C305 | 1-126-965-11 | | 22MF | 20% | 50V |
| C164 | 1-137-581-11 | FII M | 0.1MF | 5% | 100V | C325 | 1-216-055-00 | | 1.8K | 5% | 1/10W |
| | | CERAMIC CHIP | | 370 | 16V | | 1-216-055-00 | , | 1.8K | 5% | 1/10W |
| | 1-104-540-11 | | 0.1MF | 5% | 100V | | 1-216-055-00 | | 1.8K | 5% | 1/10W |
| | | | | | | U321 | 1-210-055-00 | KES,CHIP | I.or | 370 | 1/1000 |
| | 1-104-664-11 | | 47MF | 20% | 25V | 0070 | 4 404 004 44 | CERAMIC CHIP | 0.4145 | 4.00/ | 051/ |
| C168 | 1-164-232-11 | CERAMIC CHIP | U.UTIVIE | 10% | 50V | | | | | 10% | 25V |
| 0400 | 4 407 070 44 | | 0.000145 | 5 0/ | 50) <i>(</i> | | 1-126-967-11 | | 47MF | 20% | 50V |
| | 1-137-372-11 | | 0.022MF | | 50V | | 1-126-967-11 | | 47MF | 20% | 50V |
| | | CERAMIC CHIP | | | 50V | | 1-216-295-91 | | 0 | | |
| C187 | 1-137-372-11 | | 0.022MF | | 50V | C420 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| | 1-126-964-11 | | 10MF | 20% | 50V | _ | | | | | |
| C191 | 1-137-372-11 | FILM | 0.022MF | 5% | 50V | | | CERAMIC CHIP | | | 50V |
| | | | | | | | 1-104-664-11 | - | 47MF | 20% | 25V |
| C192 | 1-126-961-11 | ELECT | 2.2MF | 20% | 50V | C1204 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C195 | 1-136-173-00 | FILM | 0.47MF | 5% | 50V | C1205 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C198 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V | C1206 | 1-164-005-11 | CERAMIC CHIP | 0.47MF | | 25V |
| C199 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V | | | | | | |
| C200 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | C1207 | 1-126-966-11 | ELECT | 33MF | 20% | 50V |
| | | | | | | C1208 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| C206 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V | | 1-104-664-11 | | 47MF | 20% | 25V |
| C207 | | CERAMIC CHIP | | 10% | 25V | | 1-104-664-11 | | 47MF | 20% | 25V |
| | | CERAMIC CHIP | | 10% | 25V | | | CERAMIC CHIP | | 5% | 50V |
| | | CERAMIC CHIP | | 10% | 16V | 51210 | . 100 201-11 | CELO AVIIO OI III | | J / U | 30 V |
| C210 | | CERAMIC CHIP | | 10% | 16V 16V | C1211 | 1-163-000 11 | CERAMIC CHIP | 0.001145 | 10% | 50V |
| 0211 | 1-101-023-17 | CENAIVIIC CHIP | U.4/ IVIT | 1070 | 10 0 | | | CERAMIC CHIP | | 1070 | |
| C242 | 1 126 022 14 | ELECT | 100145 | 200/ | 16\/ | | | | | 100/ | 16V |
| | 1-126-933-11 | | 100MF | 20% | 16V | | | CERAMIC CHIP | | 10% | 50V |
| | 1-126-964-11 | | 10MF | 20% | 50V | | | CERAMIC CHIP | | 0001 | 16V |
| | 1-130-495-00 | | 0.1MF | 5% | 50V | C1218 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| | 1-104-661-91 | | 330MF | 20% | 16V | 0:5:5 | 4 400 004 :: | 000 4440 01 | 0.041:= | | 50) <i>(</i> |
| C217 | 1-164-004-11 | CERAMIC CHIP | U.TIVIF | 10% | 25V | C1219 | 1-163-031-11 | CERAMIC CHIP | U.UTIVIF | | 50V |



| REF.NO. | PART NO. | DESCRIPTION | | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | REMARK |
|--------------------|----------------------------|---|----------|--------|----------|---------|----------------|----------------------------------|-------------|-------------------------------------|
| C1220 | 1-104-664-11 | ELECT | 47MF | 20% | 25V | | | <diode></diode> | | |
| C1226 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V | | | | | |
| C1227 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V | D001 | 8-719-109-81 | DIODE RD4.7ESB2 | 2 | |
| C1228 | 1-126-935-11 | ELECT | 470MF | 20% | 16V | | | DIODE 1SS355 | | |
| | | | | | | | | DIODE GP08D | | |
| | | CERAMIC CHIP | | | 16V | | | DIODE 1SS119-25 | | |
| | | CERAMIC CHIP | | | 16V | D102 | 1-249-431-11 | CARBON 15 | 5K 5% | 1/4W |
| | 1-104-664-11 | | 47MF | 20% | 25V | D400 | 0.740.000.00 | DIODE 400055 | | |
| | | CERAMIC CHIP | | | 16V | | | DIODE 1SS355 DIODE DAN202K | | |
| C1233 | 1-104-340-11 | CERAMIC CHIP | IIVIF | | 16V | | | DIODE DANZOZK | | |
| C1234 | 1-104-664-11 | ELECT | 47MF | 20% | 25V | | | DIODE RD9.1M-B1 | | |
| | | | 47MF | 20% | 25V | | | DIODE RD6.8M-B3 | | |
| | | CERAMIC CHIP | | 2070 | 50V | D107 | 0 7 10 100 10 | DIODE ROOM BO | , | |
| | | CERAMIC CHIP | | 10% | 25V | D110 | 8-719-988-62 | DIODE 1SS355 (KV | V-EF29M31/N | //61/M91) |
| | | CERAMIC CHIP | | 10% | 25V | | | DIODE RD11ESB2 | | , |
| | | | | | | D112 | 8-719-106-43 | DIODE RD9.1M-B1 | | |
| C1239 | 1-104-664-11 | ELECT | 47MF | 20% | 25V | D117 | 8-719-400-75 | DIODE MA3091 | | |
| C1240 | 1-126-964-11 | ELECT | 10MF | 20% | 50V | D118 | 8-719-051-66 | DIODE MA7120-TA | 4 | |
| | | CERAMIC CHIP | | 5% | 50V | | | | | |
| | | CERAMIC CHIP | | 10% | 25V | | | DIODE 1SS119-25 | | |
| C1243 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V | | | DIODE MA111 | | |
| | | | | | | | | DIODE MA111 | | |
| | | CERAMIC CHIP | | 5% | 50V | | | DIODE DAN202K | | |
| | 1-126-933-11 | | 100MF | 20% | 16V | D220 | 8-719-109-88 | DIODE RD5.6ESB | i | |
| | 1-104-664-11 | | 47MF | 20% | 25V | D004 | 0.740.000.00 | DIODE 4000EE | | |
| | | CERAMIC CHIP | | 5% | 50V | | | DIODE DANSON | | |
| C1251 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V | | | DIODE DAN202K DIODE RD5.1ESB | 1 | |
| C1252 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V | | | DIODE GP08D | 1 | |
| | | CERAMIC CHIP | | 5% | 50V | | | DIODE RD9.1ESL | | |
| | | CERAMIC CHIP | | 5% | 50V | D 1201 | 071012121 | DIODE ROOTEOL | | |
| | | CERAMIC CHIP | | 5% | 50V | D1202 | 8-719-121-24 | DIODE RD9.1ESL | | |
| | | CERAMIC CHIP | | 5% | 50V | | | DIODE RD9.1ESL | | |
| | | | | | | D1204 | 8-719-121-24 | DIODE RD9.1ESL | | |
| C1257 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V | D1205 | 8-719-121-24 | DIODE RD9.1ESL | | |
| C1258 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V | D1208 | 8-719-121-24 | DIODE RD9.1ESL | | |
| C1259 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V | _ | | | | |
| | | | | | | | | DIODE RD9.1ESL | | |
| | | CONNECTOR | | | | | | DIODE RD9.1ESL | | |
| | | <connector:< td=""><td>></td><td></td><td></td><td></td><td></td><td>DIODE RD9.1ESL</td><td></td><td></td></connector:<> | > | | | | | DIODE RD9.1ESL | | |
| CN102 | 1 560 221 11 | SOCKET, CONN | IECTOD 1 | 5D | | | | DIODE RD9.1ESL DIODE RD9.1ESL | | |
| | | SOCKET, CONN | | | | D1213 | 0-7 13-12 1-24 | DIODE NOS. IESE | | |
| | | PLUG, CONNEC | | 01 | | D1214 | 8-719-121-24 | DIODE RD9.1ESL | | |
| | | CONNECTOR, E | | BOAR | D 8P | | | DIODE RD9.1ESL | | |
| | | CONNECTOR, E | | | | | | DIODE RD9.1ESL | | |
| | | | | | | D1217 | 8-719-121-24 | DIODE RD9.1ESL | | |
| CN108* | 1-779-891-11 | CONNECTOR, E | BOARD TO | BOAR | D 8P | D1218 | 8-719-121-24 | DIODE RD9.1ESL | | |
| | | CONNECTOR, E | | | | | | | | |
| CN113 [*] | 1-770-747-11 | CONNECTOR, E | | | | | | DIODE RD9.1ESL | | |
| 011444 | 4 700 004 44 | 0011150705 | | | M61/M91) | D1220 | 8-719-121-24 | DIODE RD9.1ESL | | |
| | | CONNECTOR, E | | | | | | | | |
| CN115 | 1-766-956-11 | CONNECTOR, E | BOARD IC | BOAR | D 15P | | | 10. | | |
| CN116* | *1_770_722 ₋ 11 | CONNECTOR, E | ROARD TO |) BOAP | D 8P | | | <ic></ic> | | |
| | | PLUG, CONNEC | | DOAN | D 01 | IC001 | 8-752-886-17 | IC CXP85452-090S | 3 | |
| | | PLUG, CONNEC | | | | 10001 | 0.102.000.11 | | 9M31/M61/M | 80(JF)/M90) |
| CN120* | 1-564-507-11 | PLUG, CONNEC | CTOR 4P | | | IC001 | 8-752-894-62 | IC CXP85452-0915 | | (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| | | CONNECTOR, E | | BOAR | D 12P | | | | (KV-EF29M8 | 0(ME)/M91) |
| | | • | | | | IC002 | 8-759-805-37 | IC L78LR05D-MA | | . , , |
| | | CONNECTOR, E | | BOAR | D 10P | | | IC ST24C08FB6 | | |
| | | PLUG, CONNEC | | | | IC010 | 8-759-231-53 | IC TA7805S | | |
| | | TAB (CONTACT | , | | 5 | | | | | |
| | | CONNECTOR, E | | BOAR | D 6P | | | IC NJM78L05A | | |
| CN129' | 1-504-506-11 | PLUG, CONNEC | 710K 3P | | | | 8-759-157-40 | | | |
| | | | | | | 10104 | 0-102-010-81 | IC CXA2050S | | |



| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | <u> </u> | RE | MARK |
|---------|--------------|--|------------------------|---------|------------------------------|--|------------|--------|----------------|
| IC201 | 8-759-095-63 | IC PQ09RF2 | | L081 | 1-408-409-00 | INDUCTOR | 10UH | | |
| | 8-759-168-24 | | | | 1-408-409-00 | | 10UH | | |
| .0200 | 0.00.002. | | | | 1-408-409-00 | | 10UH | | |
| IC205 | 8-759-231-58 | IC TA7812S | | L109 | 1-408-421-00 | | 100UH | | |
| | 8-759-090-21 | | | | 1 400 421 00 | INDOOTOR | 100011 | | |
| | | MODULE HIC S | BX1856-01 | 1110 | 1-408-409-00 | INDLICTOR | 10UH | | |
| | | IC NJM78L12A | BX1000 01 | | 1-408-409-00 | | 10UH | | |
| | | IC TDA4665T-T | | | 1-408-409-00 | | 18UH | | |
| 10331 | 0-739-200-03 | IC 1DA40031-1 | | LIZUI | 1-400-412-00 | INDOCTOR | 10011 | | |
| IC354 | 8-759-251-56 | IC TDA8395T | | | | | | | |
| IC1201 | 8-752-068-46 | IC CXA1855S | | | | <transistor:< td=""><td>></td><td></td><td></td></transistor:<> | > | | |
| IC1202 | 8-759-100-96 | IC UPC4558G2 | | | | | | | |
| | | | | Q001 | 8-729-216-22 | TRANSISTOR 2 | SA1162-G | | |
| | | | | Q030 | 8-729-230-49 | TRANSISTOR 2 | SC2712-YG- | TE85L | _ |
| | | <jack></jack> | | Q031 | 8-729-216-22 | TRANSISTOR 2 | SA1162-G | | |
| | | | | Q033 | 8-729-027-38 | TRANSISTOR D | OTA144EKA- | Γ146 | |
| J1201 | 1-778-045-11 | TERMINAL, S | | Q105 | 8-729-900-53 | TRANSISTOR D | TC114EK | | |
| J1202 | 1-778-387-11 | JACK BLOCK, F | PIN 12P | | | | | | |
| | | , | | Q106 | 8-729-216-22 | TRANSISTOR 2 | SA1162-G | | |
| | | | | | | TRANSISTOR 2 | | TE85L | _ |
| | | <chip conduc<="" td=""><td>CTOR></td><td></td><td></td><td></td><td>(KV-EF29</td><td>M31/N</td><td>l61/M91)</td></chip> | CTOR> | | | | (KV-EF29 | M31/N | l61/M91) |
| | | | | Q108 | 8-729-900-53 | TRANSISTOR D | ` | | , |
| JR20 | 1-216-295-91 | SHORT | 0 | | | TRANSISTOR 2 | | TE85L | _ |
| | 1-216-295-91 | | 0 | | | TRANSISTOR D | | | =' |
| | 1-216-295-91 | | 0 | | | | | | |
| | 1-216-295-91 | | 0 | Q113 | 8-729-230-49 | TRANSISTOR 2 | SC2712-YG- | TF85I | |
| | 1-216-295-91 | | 0 | | | TRANSISTOR D | | | - |
| | | | | | | TRANSISTOR D | - | | |
| JR005 | 1-216-295-91 | SHORT | 0 | | | TRANSISTOR D | - | | |
| | 1-216-295-91 | | 0 | | | TRANSISTOR D | | | |
| | 1-216-295-91 | | 0 | | | | | | |
| | 1-216-295-91 | | 0 | Q211 | 8-729-216-22 | TRANSISTOR 2 | SA1162-G | | |
| | 1-216-295-91 | | 0 | | | TRANSISTOR 2 | | TE85L | _ |
| | | | | | | TRANSISTOR 2 | | | |
| JR017 | 1-216-295-91 | SHORT | 0 (KV-EF29M31/M61/M91) | | | TRANSISTOR 2 | | | |
| | 1-216-295-91 | | 0 | | | TRANSISTOR 2 | | | |
| | 1-216-295-91 | | 0 | | | | | | |
| | 1-216-295-91 | | 0 | Q354 | 8-729-230-49 | TRANSISTOR 2 | SC2712-YG- | TE85L | _ |
| | 1-216-295-91 | | 0 | | | TRANSISTOR 2 | | | |
| | | | | Q1202 | 8-729-230-49 | TRANSISTOR 2 | SC2712-YG- | TE85L | _ |
| JR029 | 1-216-295-91 | SHORT | 0 | Q1203 | 8-729-230-49 | TRANSISTOR 2 | SC2712-YG- | TE85L | _ |
| | 1-216-295-91 | | 0 | | | TRANSISTOR 2 | | | |
| JR033 | 1-216-295-91 | SHORT | 0 | | | | | | |
| JR080 | 1-216-295-91 | SHORT | 0 | Q1205 | 8-729-230-49 | TRANSISTOR 2 | SC2712-YG- | TE85L | _ |
| JR084 | 1-216-295-91 | SHORT | 0 | Q1206 | 8-729-230-49 | TRANSISTOR 2 | SC2712-YG- | TE85L | _ |
| | | | | Q1207 | 8-729-230-49 | TRANSISTOR 2 | SC2712-YG- | TE85L | _ |
| JR086 | 1-216-295-91 | SHORT | 0 | Q1208 | 8-729-230-49 | TRANSISTOR 2 | SC2712-YG- | TE85L | _ |
| JR087 | 1-216-295-91 | SHORT | 0 | Q1209 | 8-729-230-49 | TRANSISTOR 2 | SC2712-YG- | TE85L | _ |
| JR205 | 1-216-295-91 | SHORT | 0 | | | | | | |
| JR206 | 1-216-295-91 | SHORT | 0 | | | | | | |
| | | | | | | <resistor></resistor> | | | |
| | | | | | | | | | |
| | | <jumper></jumper> | | R001 | 1-216-065-00 | - , - | | % | 1/10W |
| | | | | R002 | 1-216-065-00 | | | % | 1/10W |
| JW158 | 1-215-882-00 | METAL OXIDE | | R003 | 1-216-065-00 | , | | % | 1/10W |
| | | (K | V-EF29M31/M61/M90/M91) | R004 | 1-216-065-00 | | | % | 1/10W |
| | | | | R005 | 1-216-025-91 | RES,CHIP | 100 5 | % | 1/10W |
| | | -COIL> | | Dooe | 1 216 025 04 | DEC CHID | 100 5 | 0/. | 1/10\\\ |
| | | <coil></coil> | | | 1-216-025-91 1-216-073-00 | | | % % | 1/10W 1/10W |
| 1.004 | 1 409 207 00 | INDLICTOR | 1111 | | | | | % % | |
| L001 | 1-408-397-00 | | 1UH | | 1-216-049-91 | | | % % | 1/10W |
| L002 | 1-408-409-00 | | 10UH | | 1-216-049-91 | | | % % | 1/10W |
| L003 | 1-408-605-31 | | 15UH | R010 | 1-216-049-91 | NEO,UNIP | 1K 5 | % | 1/10W |
| L004 | 1-408-409-00 | | 10UH | D044 | 1 016 040 04 | DEC CLUD | 11/ - | 0/ | 1/10\\\ |
| L010 | 1-410-663-31 | INDUCTOR | 10UH | R011 | 1-216-049-91 | | | % | 1/10W |
| 1.000 | 1 400 400 00 | INDLICTOR | 1011 | R013 | 1-216-049-91 | | | % % | 1/10W |
| L080 | 1-408-409-00 | INDUCTOR | 10UH | R014 | 1-216-049-91 | NEO,UNIP | 1K 5 | % | 1/10W |



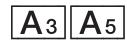
| / \ | | | | | | | | | | | |
|---------|---------------|-------------|-------|-------------|-----------|---------|--------------|-------------|-------|------------------|--------------------|
| REF.NO. | PART NO. | DESCRIPT | ION | ı | REMARK | REF.NO. | PART NO. | DESCRIPT | TION | R | EMARK |
| D047 | 4 040 040 04 | DEC CLUD | 417 | 50 / | 4/40\\ | Dood | 4 040 040 04 | | 417 | 5 0/ | 4/40\\\ |
| R017 | 1-216-049-91 | • | 1K | 5% | 1/10W | R081 | 1-216-049-91 | , | 1K | 5% | 1/10W |
| R018 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | R090 | 1-216-073-00 | | 10K | 5% | 1/10W |
| | | | | | | R102 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R019 | 1-216-101-00 | RES,CHIP | 150K | 5% | 1/10W | R103 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R020 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | |
| R025 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R104 | 1-216-077-00 | RES,CHIP | 15K | 5% | 1/10W |
| R026 | 1-216-049-91 | RES.CHIP | 1K | 5% | 1/10W | R105 | 1-216-025-91 | RES.CHIP | 100 | 5% | 1/10W |
| R028 | 1-216-025-91 | | 100 | 5% | 1/10W | R106 | 1-216-049-91 | | 1K | 5% | 1/10W |
| | | | | 0,0 | ., | R107 | 1-216-033-00 | | 220 | 5% | 1/10W |
| R029 | 1-216-065-00 | DES CHID | 4.7K | 5% | 1/10W | R108 | 1-216-049-91 | | 1K | 5% | 1/10W |
| R030 | 1-216-097-91 | | 100K | 5% | 1/10W | 1000 | 1-210-043-31 | IXLO,OI III | IIX | 370 | 1/1000 |
| | | , | | | | D400 | 4 040 000 00 | | 000 | F 0/ | 4/40\\ |
| R031 | 1-216-049-91 | , | 1K | 5% | 1/10W | R109 | 1-216-033-00 | , | 220 | 5% | 1/10W |
| R032 | 1-216-065-00 | • | 4.7K | 5% | 1/10W | R111 | 1-216-033-00 | | 220 | 5% | 1/10W |
| R033 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | R112 | 1-216-025-91 | , | 100 | 5% | 1/10W |
| | | | | | | R121 | 1-208-806-11 | | 10K | 0.50% | 1/10W |
| R034 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R122 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R035 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W | | | | | | |
| R036 | 1-216-065-00 | RES.CHIP | 4.7K | 5% | 1/10W | R123 | 1-216-065-00 | RES.CHIP | 4.7K | 5% | 1/10W |
| R038 | 1-216-051-00 | | 1.2K | 5% | 1/10W | R124 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R039 | 1-216-025-91 | • | 100 | 5% | 1/10W | R125 | 1-216-025-91 | | 100 | 5% | 1/10W |
| 11059 | 1-210-025-31 | IXLO,OI III | 100 | 370 | 1/1000 | R126 | | , | 100 | 5% | 1/10W |
| D040 | 4 040 054 00 | DEO OLUD | 4.017 | 5 0/ | 4/40\4/ | | 1-216-025-91 | | | | |
| R040 | 1-216-051-00 | | 1.2K | 5% | 1/10W | R128 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R041 | 1-216-025-91 | | 100 | 5% | 1/10W | _ | | | | | |
| R042 | 1-216-051-00 | | 1.2K | 5% | 1/10W | R129 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R043 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | R130 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R044 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R131 | 1-216-295-91 | SHORT | 0 | | |
| | | | | | | | | | (KV-I | F29M31/ | M61/M91) |
| R046 | 1-216-025-91 | RES.CHIP | 100 | 5% | 1/10W | R132 | 1-216-033-00 | RES.CHIP | 220 | 5% | 1/10W [^] |
| R047 | 1-216-025-91 | • | 100 | 5% | 1/10W | R133 | 1-216-025-91 | | 100 | 5% | 1/10W |
| R048 | 1-216-025-91 | , | 100 | 5% | 1/10W | 11100 | 1 210 020 01 | rezo,or iii | 100 | 070 | 17 10 11 |
| R049 | | | | | | D424 | 1 016 0E7 00 | DEC CLUD | 2.21/ | E0/ | 1/10W |
| | 1-216-121-91 | • | 1M | 5% | 1/10W | R134 | 1-216-057-00 | | 2.2K | 5% | 1/1000 |
| R050 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W | R135 | 1-216-295-91 | | 0 | | |
| | | | | | | R136 | 1-216-295-91 | SHORT | 0 | | |
| R051 | 1-216-394-00 | | | 5% | 3W F | | | | , | | M61/M91) |
| R053 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R138 | 1-216-025-91 | , | 100 | 5% | 1/10W |
| R054 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R139 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R055 | 1-216-095-00 | RES,CHIP | 82K | 5% | 1/10W | | | | | | |
| R056 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R140 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| | | | | | | | | • | (KV-I | F29M31/ | M61/M91) |
| R057 | 1-216-049-91 | RES CHIP | 1K | 5% | 1/10W | R142 | 1-216-049-91 | RES CHIP | 1K | 5% | 1/10W |
| R058 | 1-216-049-91 | - , - | 1K | 5% | 1/10W | R143 | 1-216-041-00 | , | 470 | 5% | 1/10W |
| R059 | 1-216-049-91 | | 4.7K | 5% | 1/10W | R144 | 1-216-053-00 | , | 1.5K | 5% | 1/10W |
| | | • | | | | | | | | | |
| R060 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R145 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| _ | | | | | /M90/M91) | _ | | | | | |
| R061 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R146 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| | | | | | | R148 | 1-216-105-91 | RES,CHIP | 220K | 5% | 1/10W |
| R062 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R149 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R063 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R150 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R064 | 1-216-025-91 | RES.CHIP | 100 | 5% | 1/10W | R151 | 1-216-043-91 | RES.CHIP | 560 | 5% | 1/10W |
| R065 | 1-216-065-00 | | 4.7K | 5% | 1/10W | | | , | | (KV-EF29 | |
| R066 | 1-216-065-00 | , | 4.7K | 5% | 1/10W | | | | | (1.1.4 2.1 2.0.1 | 11100/11100/ |
| 11000 | 1 2 10 000 00 | IXLO,OI III | 7.710 | 370 | 1/1000 | D152 | 1-216-021-00 | DEC CUID | 60 | E0/ | 1/10\\\ |
| Doco | 4 040 040 04 | | 412 | 50 / | 4 /4 0\4/ | R153 | | | 68 | 5% | 1/10W |
| R069 | 1-216-049-91 | | 1K | 5% | 1/10W | R154 | 1-216-031-00 | | 180 | 5% | 1/10W |
| R070 | 1-216-033-00 | | 220 | 5% | 1/10W | R155 | 1-216-021-00 | , | 68 | 5% | 1/10W |
| R071 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | R156 | 1-216-031-00 | RES,CHIP | 180 | 5% | 1/10W |
| R072 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R157 | 1-216-021-00 | RES,CHIP | 68 | 5% | 1/10W |
| R073 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W | | | | | | |
| | | | (KV | | /M61/M91) | R158 | 1-216-031-00 | RES,CHIP | 180 | 5% | 1/10W |
| | | | \ | | / | R159 | 1-216-033-00 | | 220 | 5% | 1/10W |
| R073 | 1-216-073-00 | RES CHIP | 10K | 5% | 1/10W | R160 | 1-216-073-00 | | 10K | 5% | 1/10W |
| 1.070 | . 210 070 00 | | 1010 | | 9M80/M90) | | | | | | 1/10W |
| D074 | 4 040 070 00 | DEC OLUE | 4017 | , | , | R170 | 1-216-037-00 | | 330 | 5% | |
| R074 | 1-216-079-00 | • | 18K | 5% | 1/10W | R171 | 1-216-081-00 | KES,CHIP | 22K | 5% | 1/10W |
| R075 | 1-216-073-00 | | 10K | 5% | 1/10W | _ | | | | | |
| R076 | 1-216-025-91 | | 100 | 5% | 1/10W | R172 | 1-216-097-91 | | 100K | 5% | 1/10W |
| R077 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | R173 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W |
| | | | | | | R174 | 1-216-105-91 | RES,CHIP | 220K | 5% | 1/10W |
| R078 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | R175 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W |
| | | | | | | 1 | | • | | | |



| REF.NO. | PART NO. | DESCRIPTION | I | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
|--------------|------------------------------|-------------|--------------|-------------|----------------|---------|------------------------------|-------------|---------|----------|----------------|
| D176 | 1-216-061-00 | DEC CHID | 3.3K | 5% | 1/10W | D1207 | 1-216-067-00 | DEC CUID | 5.6K 5 | 5% | 1/10W |
| KIIO | 1-210-001-00 | NLO,OI III | 3.31 | 3/0 | 1/1000 | | 1-216-007-00 | , | | 5% | 1/10W |
| R177 | 1-216-049-91 | DEC CHID | 1K | 5% | 1/10W | | 1-216-023-91 | • | | 5% | 1/10W |
| R177 | 1-216-049-91 | , | 100 | 5% | 1/10W | | 1-216-033-00 | , | | 5% | 1/10W |
| R179 | 1-216-023-91 | , | 1.8M | 5% | 1/10W | | 1-216-031-00 | | | 5% | 1/10W |
| R180 | 1-216-033-00 | , | 220 | 5% | 1/10W | KIZII | 1-210-093-00 | KL3,CI IIF | OOK 3 | 7/0 | 1/1000 |
| R181 | 1-216-033-00 | • | 220 | 5% 5% | 1/10W | D1212 | 1-216-025-91 | DEC CHID | 100 5 | :0/ | 1/10W |
| KIOI | 1-210-033-00 | RES,CHIP | 220 | 5% | 1/1000 | | 1-216-025-91 | , | | 5% | 1/10W |
| D100 | 1-216-033-00 | DEC CUID | 220 | 5% | 1/10W | | 1-216-073-00 | , | | 5% 5% | 1/10W |
| | | , | | | | | | • | | | |
| R184 | 1-216-059-00 | , | 2.7K | 5% | 1/10W | _ | 1-216-025-91 | - / - | | 5% | 1/10W |
| R186 | 1-216-001-00 | | 10 | 5% | 1/10W | K IZ IO | 1-216-025-91 | KES,CHIP | 100 5 | 5% | 1/10W |
| R187 R188 | 1-216-057-00 | • | 2.2K 2.2K | 5% | 1/10W | D4047 | 1 016 005 01 | DEC CLUD | 100 5 | :0/ | 1/10W |
| K 100 | 1-216-057-00 | RES,CHIP | Z.ZN | 5% | 1/10W | | 1-216-025-91 1-216-025-91 | , | | 5% 5% | 1/10W |
| R189 | 1-216-057-00 | DEC CUID | 2.2K | 5% | 1/10W | | 1-216-025-91 | , | | 5% | 1/10W |
| | | • | | | | | | * | | 5% | |
| R191 R203 | 1-216-025-91 | • | 100 10K | 5% 5% | 1/10W 1/10W | | 1-216-025-91 1-216-073-00 | | | | 1/10W 1/10W |
| R203 | 1-216-073-00 | METAL OXIDE | 270 | 5% 5% | 3W F | K 1221 | 1-210-073-00 | KES,CHIP | 10K 5 | 5% | 1/1000 |
| R209 | 1-216-477-11 | | 1K | 5% 5% | 1/10W | D1222 | 1-216-025-91 | DEC CHID | 100 5 | :0/ | 1/10W |
| R209 | 1-216-049-91 | RES,CHIP | IN | 5% | 1/1000 | | 1-216-025-91 | , | | 5% | 1/10W |
| R210 | 1-216-089-91 | DEC CUID | 47K | 5% | 1/10W | | 1-216-041-00 | , | | 5% 5% | 1/10W |
| R210 | | , | | | | | 1-216-025-91 | | | 5% | 1/10W |
| | 1-216-049-91 | , | 1K | 5% | 1/10W | | | , | | | |
| R213 | 1-216-073-00 | | 10K | 5% | 1/10W | K 1220 | 1-216-025-91 | KES,CHIP | 100 5 | 5% | 1/10W |
| R214 R215 | 1-216-073-00 | • | 10K 47K | 5% | 1/10W 1/10W | D4007 | 1 216 025 01 | DEC CLUD | 100 5 | :0/ | 1/10W |
| K215 | 1-216-089-91 | KES,CHIP | 4/N | 5% | 1/1000 | | 1-216-025-91 | , | | 5% | |
| D047 | 1 216 205 01 | CLIODT | 0 | | | | 1-216-025-91 | , | | 5% | 1/10W |
| R217 | 1-216-295-91 | | 0 | F 0/ | 4 /4 0 \ \ \ \ | | 1-216-295-91 | | 0 | -0/ | 4/40\\ |
| R219 | 1-216-077-00 | • | 15K | 5% | 1/10W | | 1-216-033-00 | | | 5% | 1/10W |
| R244 | 1-249-413-11 | | 470 | 5% | 1/4W | R1233 | 1-216-053-00 | RES,CHIP | 1.5K 5 | 5% | 1/10W |
| R245 | 1-216-061-00 | • | 3.3K | 5% | 1/10W | D4004 | 1 016 105 01 | DEC CLUD | 2201/ 5 | :0/ | 4/40\\\ |
| R246 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W | | 1-216-105-91 | , | | 5% | 1/10W 1/10W |
| DOEO | 1 240 442 44 | CARRON | 470 | E0/ | 4 /4\\ | | 1-216-089-91 | , | | 5% | |
| | 1-249-413-11 | | 470 | 5% | 1/4W | | 1-216-089-91 | | | 5% | 1/10W |
| R253 | | METAL OXIDE | 0.56 | 5% | 3W F | | 1-216-105-91 | , | | 5% | 1/10W |
| R254 R255 | 1-216-033-00 1-216-308-00 | | 220 4.7 | 5% 5% | 1/10W 1/10W | K 1236 | 1-216-023-00 | KES,CHIP | 82 5 | 5% | 1/10W |
| R258 | | • | | | | D4000 | 1 246 022 00 | DEC CLUD | 75 5 | :0/ | 1/10W |
| R256 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | | 1-216-022-00 1-216-022-00 | , | | 5% 5% | 1/10W |
| R259 | 1-216-308-00 | DEC CUID | 4.7 | 5% | 1/10W | | 1-216-022-00 | , | | 5% | 1/10W |
| R259 | 1-216-041-00 | • | 4.7 | 5% | 1/10W | | 1-216-057-91 | | | 5% | 1/10W |
| R268 | 1-216-025-91 | , | 100 | 5% 5% | 1/10W | | 1-216-057-00 | , | | 5% | 1/10W |
| R269 | 1-216-025-91 | | 100 | 5% | 1/10W | 171243 | 1-210-097-91 | KL3,CI IIF | 1001 | //0 | 1/1000 |
| R209 | 1-216-025-91 | • | 100 | 5% | 1/10W | D1245 | 1-216-025-91 | DEC CHID | 100 5 | 5% | 1/10W |
| K270 | 1-210-025-91 | KES,CHIP | 100 | 370 | 1/1000 | | 1-216-025-91 | * | | 5% | 1/10W |
| R271 | 1-216-025-91 | DEC CHID | 100 | 5% | 1/10W | | 1-216-033-00 | , | | 5% | 1/10W |
| R301 | 1-216-049-91 | | 160 1K | 5% | 1/10W | | 1-216-046-00 | | | 5% | 1/10W |
| R303 | 1-216-049-91 | • | 10 | 5% | 1/10W | | 1-216-025-91 | | | 5% | 1/10W |
| R304 | 1-216-049-91 | • | 1K | 5% | 1/10W | 101243 | 1-210-025-91 | IXLO,OI III | 100 | 70 | 1/1000 |
| R305 | 1-216-049-91 | • | 100 | 5% | 1/10W | D1250 | 1-216-025-91 | DEC CHID | 100 5 | 5% | 1/10W |
| 1303 | 1-210-025-91 | NLO,OI III | 100 | 3 /0 | 1/1000 | | 1-216-023-91 | * | | 5% | 1/10W |
| R306 | 1-216-025-91 | DES CHID | 100 | 5% | 1/10W | | 1-216-049-91 | , | | 5% | 1/10W |
| R344 | 1-216-025-91 | • | 166 1K | 5% | 1/10W | | 1-216-049-91 | * | | 5% | 1/10W |
| R363 | 1-216-295-91 | * | 0 | J /0 | 1/1000 | | 1-216-049-91 | * | | 5% | 1/10W |
| R364 | 1-216-033-00 | | 220 | 5% | 1/10W | 101237 | 1-210-043-31 | IXLO,OI III | 110 | 70 | 1/1000 |
| R365 | 1-216-035-00 | • | 100 | 5% | 1/10W | D1258 | 1-216-113-00 | DES CHID | 470K 5 | 5% | 1/10W |
| 11303 | 1-210-025-91 | IXLO,OI III | 100 | J /0 | 1/1000 | | 1-216-021-00 | | | 5% | 1/10W |
| R366 | 1-216-033-00 | DES CHID | 220 | 5% | 1/10W | | 1-216-021-00 | | | 5% | 1/10W |
| R368 | 1-216-035-00 | • | 270 | 5% | 1/10W | | 1-216-065-00 | | | 5% | 1/10W |
| R801 | 1-216-035-00 | • | 100 | 5% | 1/10W | | 1-216-105-91 | * | | 5% | 1/10W |
| | 1-216-033-00 | • | 220 | 5% 5% | 1/10W | 11202 | 1-210-100-91 | KEO,OI III | 22011 0 | 70 | 1/1000 |
| | 1-216-033-00 | • | 100 | 5% 5% | 1/10W | P1262 | 1-216-065-00 | RES CHIP | 4.7K 5 | 5% | 1/10W |
| N IZUI | 1-210-020-81 | NEO,OI IIF | 100 | J /0 | 1/1044 | | 1-216-005-00 | | | 5% | 1/10W |
| R1202 | 1-216-025-91 | RES CHIP | 100 | 5% | 1/10W | | 1-216-022-00 | | | 5% | 1/10W |
| | 1-216-023-91 | | 220 | 5% 5% | 1/10W | | 1-216-105-91 | • | | 5% | 1/10W |
| | 1-216-033-00 | • | 180 | 5% 5% | 1/10W | | 1-216-065-00 | | | 5% | 1/10W |
| | 1-216-031-00 | • | 10K | 5% 5% | 1/10W | 11/20/ | 1-210-100-91 | NEO,OI IIF | 22010 | /0 | 1/1000 |
| | 1-216-067-00 | • | 5.6K | 5% | 1/10W | R1268 | 1-216-065-00 | RES CHIP | 4.7K 5 | 5% | 1/10W |
| 111200 | 1 2 10 001 -00 | 1120,01111 | 0.010 | J /0 | 1/1000 | 111200 | 1 2 10 000-00 | 1120,01111 | 7.710 | . 70 | 1/1000 |



| REF.NO. | PART NO. | DESCRIPTION | | RE | MARK | REF.NO. | PART NO. | DESCRIPTION | | RE | MARK |
|---------|---------------|-------------------------|------------|-------------|-------------|---------|----------------|--|----------|--------|------------|
| R1269 | 1-216-022-00 | RES CHIP | 75 | 5% | 1/10W | C1335 | 1-163-989-11 | CERAMIC CHIP | 0.033ME | 10% | 25V |
| | 1-216-022-00 | | 75 | 5% | 1/10W | | | CERAMIC CHIP | | 5% | 50V |
| | 1-216-022-00 | * | 75 75 | 5% | 1/10W | | | CERAMIC CHIP | | 5% | 50V |
| | 1-216-022-00 | , | 100K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| K12/2 | 1-216-097-91 | RES,CHIP | TOUR | 5% | 1/1000 | | | CERAMIC CHIP | | | |
| D4070 | 4 040 057 00 | DEC CLUD | 0.01/ | F 0/ | 4/40\\ | C1339 | 1-163-001-11 | CERAINIC CHIP | 220PF | 10% | 50V |
| | 1-216-057-00 | , | 2.2K | 5% | 1/10W | 04040 | 4 404 000 44 | | 0.04145 | 4.007 | E01/ |
| | 1-216-097-91 | * | 100K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-025-91 | , | 100 | 5% | 1/10W | | | CERAMIC CHIP | | | 50V |
| | 1-216-025-91 | | 100 | 5% | 1/10W | | | CERAMIC CHIP | | 5% | 50V |
| R1277 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | CERAMIC CHIP | | 5% | 50V |
| | | | | | | C1344 | 1-124-907-11 | ELECT | 10MF | 20% | 50V |
| | 1-216-025-91 | | 100 | 5% | 1/10W | | | | | | |
| R1279 | 1-216-065-00 | RES,CHIP | 4.7K | 5% | 1/10W | C1345 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| | 1-216-065-00 | , | 4.7K | 5% | 1/10W | C1346 | 1-124-907-11 | | 10MF | 20% | 50V |
| | 1-216-023-00 | | 82 | 5% | 1/10W | | 1-126-965-11 | | 22MF | 20% | 50V |
| R1282 | 1-216-048-00 | RES,CHIP | 910 | 5% | 1/10W | C1348 | 1-107-904-11 | ELECT | 3.3MF | 20% | 50V |
| | | | | | | C1349 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| R1283 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | | | | | | |
| R1284 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | C1350 | 1-163-005-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| R1285 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W | C1351 | 1-163-005-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| R1286 | 1-216-063-91 | RES,CHIP | 3.9K | 5% | 1/10W | C1352 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| R1287 | 1-216-057-00 | RES.CHIP | 2.2K | 5% | 1/10W | C1353 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| | | | | -,- | ., | | 1-107-906-11 | | 10MF | 20% | 50V |
| R1288 | 1-216-089-91 | RES.CHIP | 47K | 5% | 1/10W | 5.557 | | | | _3,3 | |
| | 1-216-089-91 | , | 47K | 5% | 1/10W | C1355 | 1-164-222-11 | CERAMIC CHIP | 0.22ME | | 25V |
| | 1-249-389-11 | , | 4.7 | 5% | 1/4W F | | 1-104-652-11 | | 470MF | 20% | 10V |
| | 1-216-089-91 | - | 47K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-089-91 | , | 47K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| K1292 | 1-210-009-91 | KES,CHIF | 4/K | 3% | 1/1000 | | | CERAMIC CHIP | | 10% | 50V 50V |
| D1202 | 1-216-089-91 | DEC CUID | 47K | 5% | 1/10W | C1339 | 1-104-232-11 | CERAIVIIC CHIP | U.U HVIF | 10% | 30 V |
| | | , | | | | 04000 | 4 404 000 44 | CEDAMIC CUID | 0.04145 | 400/ | E01/ |
| | 1-216-089-91 | * | 47K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-033-00 | * | 220 | 5% | 1/10W | | | CERAMIC CHIP | | 0.25PF | |
| | 1-216-295-91 | | 0 | | | | | CERAMIC CHIP | | 0.25PF | |
| R1297 | 1-216-295-91 | SHORT | 0 | | | | | CERAMIC CHIP | | 10% | 25V |
| | | 55001115 | | | | C1364 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| | 1-216-041-00 | | 470 | 5% | 1/10W | | | | | | |
| R1299 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W | | 1-126-965-11 | | 22MF | 20% | 50V |
| | | | | | | | 1-104-652-11 | | 470MF | 20% | 10V |
| | | | | | | | | CERAMIC CHIP | | | 25V |
| | | <tuner></tuner> | | | | C1368 | 1-164-222-11 | CERAMIC CHIP | 0.22MF | | 25V |
| | | | | | | C1369 | 1-163-033-91 | CERAMIC CHIP | 0.022MF | | 50V |
| TU001 | 8-598-372-10 | TUNER, FSS B7 | ΓF-FG441 | | | | | | | | |
| | | | | | | C1371 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| | | | | | | C1373 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| | | <crystal></crystal> | | | | C1374 | 1-163-137-00 | CERAMIC CHIP | 680PF | 5% | 50V |
| | | | | | | C1375 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| X101 | 1-577-358-21 | VIBRATOR, CE | RAMIC(4M | Hz) | | C1376 | 1-126-965-11 | ELECT | 22MF | 20% | 50V |
| | | OSCILLATOR, O | | | <u>z</u>) | | | | | | |
| X103 | 1-567-504-11 | OSCILLATOR, O | CRYSTAL(| 4.43MHz | <u>,</u> | C1377 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| | | OSCILALTOR, O | | | | | | CERAMIC CHIP | | 10% | 25V |
| 7(101 | | 00012/12/10/4, | 3210 WIIO(| 00011112) | | | 1-104-652-11 | | 470MF | 20% | 10V |
| | | | | | | 01070 | 1 101 002 11 | LLLO. | 17 01111 | 2070 | 101 |
| | | | | | | | | | | | |
| ****** | ****** | ****** | ***** | ***** | ***** | | | <connector:< td=""><td>></td><td></td><td></td></connector:<> | > | | |
| | | | | | | | | | | | |
| * | A-1298-338-A | A3 BOARD,COM | MPI FTF (F | XCFPT KV | /-FF29M80) | CN1330 | 0 1-691-109-1 | 1 PLUG (L TYPE |) 12P | | |
| | 7. 1200 000 7 | ******** | | 7.0L1 1 1.0 | Li 2011100) | 011100 | 0 1 001 100 1 | | , | | |
| | | | | | | | | | | | |
| | | | | | | | | <diode></diode> | | | |
| | | <capacitor></capacitor> | | | | | | .5.0527 | | | |
| | | | | | | D1330 | 8-719-908-03 | DIODE GP08D | | | |
| C1330 | 1-164-232-11 | CERAMIC CHIP | 0.01ME | 10% | 50V | | | DIODE MA111 | | | |
| | | CERAMIC CHIP | | 10% | 25V | 21002 | 3 7 10 404 43 | S.ODE MATTI | | | |
| | | CERAMIC CHIP | | | 50V | | | | | | |
| | 1-103-019-00 | | 22MF | 20% | 50V | | | <ferrite beai<="" td=""><td>)~</td><td></td><td></td></ferrite> |)~ | | |
| | | CERAMIC CHIP | | | 25V | | | ~ LINNIIE DEAL | | | |
| C1334 | 1-100-909-11 | OENAIVIIO UNIP | U.UJJIVIT | 1070 | 20 V | ED4330 | 1 442 044 44 | EEDDITE | UIL | | |
| | | | | | | rb133(|) 1-412-911-11 | FERRIIE | 0UH | | |



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|---------|--------------|--|----------------|---------|-------|---------|--------------|-------------------------|--------------|---------|------------|
| REF.NO. | PART NO. | DESCRIPTION | I | RE | MARK | REF.NO. | PART NO. | DESCRIPTION | | I | REMARK |
| | | | | | | | | | | | |
| FB1331 | | 1-412-911-11 | FERRITE | 0UH | | R1355 | 1-216-037-00 | RES,CHIP | 330 | 5% | 1/10W |
| FB1332 | | 1-412-911-11 | FERRITE | 0UH | | | | | | | |
| FB1333 | | 1-412-911-11 | FERRITE | 0UH | | R1356 | 1-216-059-00 | RES,CHIP | 2.7K | 5% | 1/10W |
| FB1334 | | 1-412-911-11 | FERRITE | 0UH | | R1357 | 1-216-057-00 | RES,CHIP | 2.2K | 5% | 1/10W |
| | | | | | | R1358 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W F |
| | | | | | | | | | | | |
| | | <filter></filter> | | | | | | | | | |
| | | | | | | | | <crystal></crystal> | | | |
| FL1330 | 1-239-803-11 | ENCAPSULATE | ED COMPO | NENT | | | | | | | |
| | | | | | | X1330 | 1-760-094-11 | VIBRATOR, CRY | YSTAL(18.4 | 32MI | ∃z) |
| | | | | | | | | | | | |
| | | <ic></ic> | | | | | | | | | |
| | | | | | | | | | | | |
| IC1330 | 8-759-429-98 | IC MSP3410B-F | PP-F7 | | | ****** | ****** | ****** | ****** | ***** | k********* |
| IC1331 | 8-759-701-75 | IC NJM7805FA | | | | | | | | | |
| | | | | | | * | A-1293-943-A | A5 BOARD,COM | /IPLETE | | |
| | | | | | | | | ****** | ****** | | |
| | | <coil></coil> | | | | | | | | | |
| | | | | | | | | | | | |
| L1330 | 1-410-470-11 | INDUCTOR | 10UH | | | | | CASE (BOTTOM | | | |
| L1331 | 1-410-470-11 | INDUCTOR | 10UH | | | | 4-049-407-01 | CASE (UPPER L | LID), SHIELI | D | |
| L1332 | 1-408-408-00 | INDUCTOR | 8.2UH | | | | | | | | |
| L1333 | 1-408-397-00 | INDUCTOR | 1UH | | | | | | | | |
| L1334 | 1-408-408-00 | INDUCTOR | 8.2UH | | | | | <capacitor></capacitor> | | | |
| | | | | | | | | | | | |
| | | | | | | C3001 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| | | <transistor< td=""><td>></td><td></td><td></td><td>C3002</td><td>1-164-004-11</td><td>CERAMIC CHIP</td><td>0.1MF</td><td>10%</td><td>25V</td></transistor<> | > | | | C3002 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| | | | | | | C3003 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| Q1330 | 8-729-230-49 | TRANSISTOR 2 | 2SC2712-Y | G-TE85L | | C3004 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| Q1331 | 8-729-230-49 | TRANSISTOR 2 | 2SC2712-Y | G-TE85L | | C3005 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| Q1332 | 8-729-230-49 | TRANSISTOR 2 | 2SC2712-Y | G-TE85L | | | | | | | |
| Q1333 | 8-729-230-49 | TRANSISTOR 2 | 2SC2712-Y | G-TE85L | | C3006 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| Q1334 | 8-729-230-49 | TRANSISTOR 2 | 2SC2712-Y | G-TE85L | | C3007 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| | | | | | | C3008 | 1-163-235-11 | CERAMIC CHIP | 22PF : | 5% | 50V |
| Q1335 | 8-729-230-49 | TRANSISTOR 2 | 2SC2712-Y | G-TE85L | | C3009 | 1-163-235-11 | CERAMIC CHIP | 22PF : | 5% | 50V |
| | | | | | | C3011 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| | | | | | | | | | | | |
| | | <resistor></resistor> | | | | | | CERAMIC CHIP | | 10% | 50V |
| | | | | | | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-085-00 | | 33K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-081-00 | | 22K | | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-035-00 | - , - | 270 | | 1/10W | C3020 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| | 1-216-049-91 | | 1K | 5% | 1/10W | | | | | | |
| R1335 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | | | | | | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-067-00 | - / - | 5.6K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-067-00 | * | 5.6K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 25V |
| | 1-216-081-00 | | 22K | 5% | 1/10W | C3024 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| | 1-216-067-00 | , | 5.6K | 5% | 1/10W | _ | | | | | |
| R1340 | 1-216-067-00 | RES,CHIP | 5.6K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | | | | | | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-057-00 | | 2.2K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-057-00 | - / - | 2.2K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| R1343 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | C3029 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| R1344 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W | | | | | | |
| R1345 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | | | | | | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-069-00 | | 6.8K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-069-00 | , | 6.8K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-049-91 | | 1K | 5% | 1/10W | C3034 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| | 1-216-027-00 | | 120 | 5% | 1/10W | | | | | | |
| R1350 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | | | | | | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-033-00 | , | 220 | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-041-00 | , | 470 | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-075-00 | | 12K | 5% | 1/10W | C3040 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| R1354 | 1-216-027-00 | RES,CHIP | 120 | 5% | 1/10W | | | | | | |



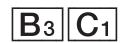
| REF.NO. | PART NO. | DESCRIPTION | | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | RE | MARK |
|---------|----------------|---|----------|-------|------------|----------|----------------|--|----------|-------------|---------|
| C3041 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% | 50V | FR3006 | § 1-412-928-21 | INDLICTOR | 0.12UH | | |
| | | CERAMIC CHIP | | 10% | 50V | | 7 1-412-928-21 | | 0.12UH | | |
| | | CERAMIC CHIP | | 10% | 50V | F B 3007 | 1-412-920-21 | INDUCTOR | 0.12011 | | |
| | | | | | | | | | | | |
| | | CERAMIC CHIP | | 10% | 50V | | | 10 | | | |
| C3045 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | | | <ic></ic> | | | |
| C3046 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | IC3001 | 8-759-522-25 | IC TC9287AF | | | |
| C3047 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | IC3002 | 8-759-522-24 | IC TC9337F-XX | X | | |
| C3048 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V | IC3003 | 8-759-231-53 | IC TA7805S | | | |
| C3049 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V | IC3004 | 8-759-042-02 | IC S-80743AL-A | .7-S | | |
| C3050 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V | IC3005 | 8-759-100-96 | IC UPC4558G2 | | | |
| C3051 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V | IC3007 | 8-752-072-94 | IC CXA1875AM | -T4 | | |
| | 1-126-963-11 | | 4.7MF | 20% | 50V | | 0.020.20. | | | | |
| | 1-126-963-11 | | 4.7MF | 20% | 50V | | | | | | |
| | 1-126-963-11 | | 4.7MF | 20% | 50V | | | <coil></coil> | | | |
| | 1-126-963-11 | | 4.7MF | 20% | 50V | | | VOOIL> | | | |
| 03033 | 1-120-303-11 | LLLOI | 4.7 IVII | 2070 | 30 V | 13002 | 1-408-405-00 | INDLICTOR | 4.7UH | | |
| C3056 | 1-126-963-11 | FLECT | 4.7MF | 20% | 50V | | 1-408-405-00 | | 4.7UH | | |
| | 1-126-933-11 | | 100MF | 20% | 16V | | 1-408-405-00 | | 4.7UH | | |
| | 1-126-933-11 | | 100MF | 20% | 16V 16V | | 1-408-405-00 | | 4.7UH | | |
| | | CERAMIC CHIP | | | 50V | | | | 4.7UH | | |
| | | CERAMIC CHIP | | 10% | 25V | L3006 | 1-408-405-00 | INDUCTOR | 4.70П | | |
| 03000 | 1-104-004-11 | CLIVAIVIIC CI III | O. HVII | 10 /0 | 25 V | | | | | | |
| C3062 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10% | 50V | | | <transistor:< td=""><td>></td><td></td><td></td></transistor:<> | > | | |
| C3063 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10% | 50V | | | | | | |
| C3064 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10% | 50V | Q3001 | 8-729-230-49 | TRANSISTOR | 2SC2712- | YG-TE8 | 5L |
| C3065 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10% | 50V | Q3002 | 8-729-230-49 | TRANSISTOR | 2SC2712- | YG-TE8 | 5L |
| | | CERAMIC CHIP | | | 50V | | | TRANSISTOR | | | |
| | | | | | | | | | | | |
| | 1-126-964-11 | | 10MF | 20% | 50V | | | | | | |
| C3069 | 1-126-964-11 | ELECT | 10MF | 20% | 50V | | | <resistor></resistor> | | | |
| C3070 | 1-126-962-11 | ELECT | 3.3MF | 20% | 50V | | | | | | |
| C3071 | 1-126-962-11 | ELECT | 3.3MF | 20% | 50V | R3001 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| C3072 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V | R3002 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| | | | | | | R3003 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| C3075 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V | R3004 | 1-216-033-00 | RES.CHIP | 220 | 5% | 1/10W |
| | | CERAMIC CHIP | | 5% | 50V | 1 | 1-216-025-91 | * | 100 | 5% | 1/10W |
| | | CERAMIC CHIP | | 10% | 50V | | | | | | |
| | 1-126-960-11 | | 1MF | 20% | 50V | R3006 | 1-216-073-00 | RES CHIP | 10K | 5% | 1/10W |
| | | CERAMIC CHIP | | 10% | 25V | | 1-216-073-00 | | 10K | 5% | 1/10W |
| 00000 | 1 104 004 11 | OLIV WIIO OI III | 0.11011 | 1070 | 201 | | 1-216-025-91 | | 100 | 5% | 1/10W |
| C2091 | 1 16/ 2/6 11 | CERAMIC CHIP | 11/10 | | 16V | | 1-216-025-91 | , | 100 | 5% | 1/10W |
| | | CERAMIC CHIP | | | 16V 16V | | 1-216-025-91 | | 100 | 5% | 1/10W |
| | | ELECT | | 20% | | 13010 | 1-210-025-91 | KL3,CHIF | 100 | 3 /0 | 1/1000 |
| | | | | | | D2011 | 1 016 005 01 | DEC CLUD | 100 | E0/ | 1/10\\/ |
| | 1-126-963-11 | | 4.7MF | 20% | 50V | | 1-216-025-91 | | 100 | 5% | 1/10W |
| C3085 | 1-104-004-11 | CERAMIC CHIP | U. HVIF | 10% | 25V | | | METAL OXIDE | 10 | 5% 5% | 1W F |
| 00000 | 4 404 040 44 | 0504440 01110 | 48.45 | | 40)/ | 1 | 1-216-073-00 | | 10K | 5% | 1/10W |
| | | CERAMIC CHIP | | | 16V | | 1-216-073-00 | | 10K | 5% | 1/10W |
| | | CERAMIC CHIP | | 100/ | 16V | R3015 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| | | CERAMIC CHIP | | 10% | 25V | B0015 | 4 040 000 0 | DE0 01 "E | 000 | 50 ′ | 4/40044 |
| C3089 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% | 50V | | 1-216-033-00 | | 220 | 5% | 1/10W |
| | | | | | | 1 | 1-216-073-00 | * | 10K | 5% | 1/10W |
| | | | | | | 1 | 1-216-073-00 | | 10K | 5% | 1/10W |
| | | <connector></connector> | > | | | R3019 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| | | | | | | R3020 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| CN300 | 1*1-564-525-1 | 1 PLUG, CONNE | CTOR 10P | | | Boss | 4 040 0=0 0= | DE0 01 "E | 4017 | 5 0′ | 4/4012 |
| | | | | | | | 1-216-073-00 | | 10K | 5% | 1/10W |
| | | | _ | | | | 1-216-073-00 | | 10K | 5% | 1/10W |
| | | <ferrite beal<="" td=""><td>J></td><td></td><td></td><td>1</td><td>1-216-073-00</td><td></td><td>10K</td><td>5%</td><td>1/10W</td></ferrite> | J> | | | 1 | 1-216-073-00 | | 10K | 5% | 1/10W |
| | | | | | | | 1-216-073-00 | | 10K | 5% | 1/10W |
| | 1-410-397-21 | | 1.1UH | | | R3025 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| | 2 1-410-397-21 | | 1.1UH | | | | | | | | |
| | 3 1-412-928-21 | | 0.12UH | | | 1 | 1-216-061-00 | | 3.3K | 5% | 1/10W |
| | 1-412-928-21 | | 0.12UH | | | 1 | 1-216-025-91 | * | 100 | 5% | 1/10W |
| FB3005 | 1-412-928-21 | INDUCTOR | 0.12UH | | | 1 | 1-216-073-00 | | 10K | 5% | 1/10W |
| | | | | | | R3031 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| | | | | | | • | | | | | |



| REF.NO. | PART NO. | DESCRIPTION | | RE | EMARK | REF.NO. | PART NO. | DESCRIPTION | <u></u> | RE | MARK |
|---------|----------------|-------------------------|-------------|-------------|---------|---------|----------------------------|---|----------|------|---------|
| R3032 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W | C3331 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |
| | | , | | | | C3332 | 1-163-259-91 | CERAMIC CHIP | 220PF | 5% | 50V |
| R3033 | 1-216-129-00 | RES,CHIP | 2.2M | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-061-00 | | 3.3K | 5% | 1/10W | C3334 | 1-126-959-11 | ELECT | 0.47MF | 20% | 50V |
| | 1-216-061-00 | - , - | 3.3K | 5% | 1/10W | | | CERAMIC CHIP | | 10% | 50V |
| | 1-216-085-00 | | 33K | 5% | 1/10W | | | | | | |
| | 1-216-073-00 | , | 10K | 5% | 1/10W | C3336 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| | | | | 0,0 | ., | | | CERAMIC CHIP | | 10% | 50V |
| R3040 | 1-216-073-00 | RES.CHIP | 10K | 5% | 1/10W | | | CERAMIC CHIP | | 5% | 50V |
| | 1-216-073-00 | | 10K | 5% | 1/10W | | | CERAMIC CHIP | | 5% | 50V |
| | 1-216-073-00 | | 10K | 5% | 1/10W | | 1-126-964-11 | | 10MF | 20% | 50V |
| | 1-216-073-00 | | 10K | 5% | 1/10W | 00010 | 1 120 001 11 | | | 2070 | 001 |
| | 1-216-295-91 | - / - | 0 | 070 | 17 1011 | C3344 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| 110010 | 1 210 200 01 | OHORR | Ü | | | | | CERAMIC CHIP | | 5% | 50V |
| R3047 | 1-216-295-91 | SHORT | 0 | | | | | CERAMIC CHIP | | 5% | 50V |
| 110011 | 1 210 200 01 | OHORR | Ü | | | | | CERAMIC CHIP | | 5% | 50V |
| | | | | | | | | CERAMIC CHIP | | 070 | 25V |
| | | <crystal></crystal> | | | | 000-10 | 1 100 000 01 | OLIV WIIO OI III | 0.11411 | | 201 |
| | | CONTOTAL | | | | C3349 | 1-126-967-11 | FLECT | 47MF | 20% | 50V |
| ¥3001 | 1-570-280-11 | VIBRATOR, CR | VSTAL (16 (| 03/1/1/1 | 17) | | 1-126-964-11 | | 10MF | 20% | 50V |
| | | VIBRATOR, CR | , | | , | | | CERAMIC CHIP | | 2070 | 16V |
| 7,3002 | 1-707-000-21 | VIBITATION, OIL | 101AL(24. | O7 OIVII 12 | -) | | | CERAMIC CHIP | | | 16V |
| | | | | | | | 1-126-965-11 | | 22MF | 20% | 50V |
| | | | | | | U3333 | 1-120-900-11 | ELECT | ZZIVIF | 20% | 30 V |
| ****** | ****** | ****** | ****** | ****** | ***** | C2254 | 1-126-796-11 | ELECT | 22MF | 200/ | 50V |
| | | | | | | | | CERAMIC CHIP | | 20% | |
| * | · A 4424 244 A | D2 DOADD COA | ADI ETE | | | | | | | 100/ | 25V |
| | A-1131-314-A | B3 BOARD,CON | | | | | | CERAMIC CHIP | | 10% | 25V |
| | | | | | | U3357 | 1-104-664-11 | ELECT | 47MF | 20% | 25V |
| | | | | | | | | | | | |
| | | <capacitor></capacitor> | | | | | | <connector></connector> | • | | |
| | | | | | | | | | | | |
| C3301 | 1-104-664-11 | ELECT | 47MF | 20% | 25V | CN3301 | 1*1-778-770-1 ⁻ | I CONNECTOR, | BOARD TO | BOAR | D(PLUG) |
| C3302 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V | CN3302 | 2*1-564-522-1 ⁻ | PLUG, CONNE | CTOR 7P | | |
| C3303 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V | CN3304 | 4*1-564-519-1 ⁻ | PLUG, CONNE | CTOR 4P | | |
| C3304 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V | CN3305 | 5*1-564-518-1 ⁻ | PLUG, CONNE | CTOR 3P | | |
| C3305 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V | | | | | | |
| | | | | | | | | | | | |
| | | CERAMIC CHIP | | | 16V | | | <diode></diode> | | | |
| | | CERAMIC CHIP | | 10% | 50V | | | | | | |
| | | CERAMIC CHIP | | 10% | 25V | D3301 | 8-719-914-43 | DIODE DAN2021 | K | | |
| C3309 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | D3302 | 8-719-105-91 | DIODE RD5.6M- | B2 | | |
| C3310 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V | | | | | | |
| | | | | | | | | | | | |
| C3311 | 1-164-336-11 | CERAMIC CHIP | 0.33MF | | 25V | | | <delay line=""></delay> | | | |
| C3312 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | | | | | | |
| | | CERAMIC CHIP | | 10% | 50V | DL3301 | 1-411-137-1 | 1 DELAY LINE LO | | | |
| C3314 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | | | | | | |
| C3315 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | | | | | | |
| | | | | | | | | <ic></ic> | | | |
| C3316 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V | | | | | | |
| C3317 | 1-104-664-11 | ELECT | 47MF | 20% | 25V | IC3301 | 8-759-437-37 | IC TDA9170/N1 | | | |
| C3318 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V | IC3302 | 8-759-437-36 | IC AN5342K | | | |
| C3319 | 1-163-038-91 | CERAMIC CHIP | 0.1MF | | 25V | IC3303 | 8-752-058-68 | IC CXA1315M | | | |
| C3320 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V | IC3304 | 8-759-984-03 | IC LM339N | | | |
| | | | | | | IC3305 | 8-759-800-81 | IC LA7016 | | | |
| C3321 | 1-126-967-11 | ELECT | 47MF | 20% | 50V | | | | | | |
| C3322 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | | | | | | |
| | 1-126-965-11 | | 22MF | 20% | 50V | | | <chip conduc<="" td=""><td>CTOR></td><td></td><td></td></chip> | CTOR> | | |
| | | CERAMIC CHIP | | 10% | 50V | | | | | | |
| | | CERAMIC CHIP | | 10% | 50V | JR3303 | 3 1-216-295-91 | SHORT | 0 | | |
| - 00=0 | | | | | | | 1-216-295-91 | | 0 | | |
| C3326 | 1-163-227-11 | CERAMIC CHIP | 10PF | 0.5PF | 50V | | 1-216-295-91 | | 0 | | |
| | | CERAMIC CHIP | | 0.5PF | | | 31-216-295-91 | | 0 | | |
| | 1-126-963-11 | | 4.7MF | 20% | 50V | 5.10000 | 200 01 | | - | | |
| | | CERAMIC CHIP | | 10% | 50V | | | | | | |
| | | CERAMIC CHIP | | 10% | 50V | | | | | | |
| 22300 | | | | | | | | | | | |



| REF.NO. PART NO | DESCRIPTION | N | RE | MARK | REF.NO. | PART NO. | DESCRIPTION | l | RE | MARK |
|-----------------|---|-------------|--------|----------------|---------|--------------|-------------|-------|-------------|-----------|
| | <coil></coil> | | | | R3334 | 1-216-025-91 | RES.CHIP | 100 | 5% | 1/10W |
| | (OOIL) | | | | 1 | 1-216-041-00 | , | 470 | 5% | 1/10W |
| L3301 1-408-409 | -00 INDUCTOR | 10UH | | | | 1-216-041-00 | | 470 | 5% | 1/10W |
| L3302 1-408-605 | | 15UH | | | | | | | 0,0 | ., |
| L3303 1-408-420 | | 82UH | | | R3337 | 1-216-033-00 | RES CHIP | 220 | 5% | 1/10W |
| L3304 1-408-409 | | 10UH | | | | 1-216-041-00 | | 470 | 5% | 1/10W |
| L3305 1-408-420 | | 82UH | | | | 1-216-041-00 | | 470 | 5% | 1/10W |
| 20000 1 400 420 | 00 1140001010 | 02011 | | | 1 | 1-216-047-91 | , | 820 | 5% | 1/10W |
| L3306 1-408-601 | 31 INDLICTOR | 6.8UH | | | | 1-216-041-00 | - / - | 470 | 5% | 1/10W |
| L3307 1-408-601 | | 6.8UH | | | 110041 | 1 210 041 00 | 1120,01111 | 470 | 070 | 1/1000 |
| L3308 1-408-607 | | 22UH | | | R3342 | 1-216-025-91 | RES CHIP | 100 | 5% | 1/10W |
| L3309 1-408-607 | | 22UH | | | | 1-216-065-00 | | 4.7K | 5% | 1/10W |
| L0000 1-400-007 | 31 INDOOTOR | 22011 | | | | 1-216-063-91 | | 3.9K | 5% | 1/10W |
| | | | | | l | 1-216-089-91 | , | 47K | 5% | 1/10W |
| | <transistor< td=""><td>2~</td><td></td><td></td><td>1</td><td>1-216-063-91</td><td>,</td><td>3.9K</td><td>5%</td><td>1/10W</td></transistor<> | 2~ | | | 1 | 1-216-063-91 | , | 3.9K | 5% | 1/10W |
| | <110/410010101 | | | | 113340 | 1210 000 01 | IXEO,OI III | 3.510 | 370 | 1/1044 |
| Q3301 8-729-230 | AO TRANSISTOR | 25C2712-VG | _TE851 | | P33/17 | 1-216-063-91 | DES CHID | 3.9K | 5% | 1/10W |
| Q3301 8-729-230 | | | | | | 1-216-063-91 | | 3.9K | 5% | 1/10W |
| Q3304 8-729-230 | | | | | | 1-216-063-91 | | 3.9K | 5% | 1/10W |
| Q3305 8-729-230 | | | | | 1 | 1-216-067-00 | , | 5.6K | 5% | 1/10W |
| Q3306 8-729-230 | | | | | | 1-216-075-00 | - , - | 12K | 5% | 1/10W |
| Q3300 0-129-230 | 49 INANSISTOR | 2302112-10 | -1L03L | | 1,0000 | 1-210-075-00 | KLS,CI IIF | IZK | 3 /0 | 1/1000 |
| Q3307 8-729-230 | 40 TRANSISTOR | 2002712 VC | TEOFI | | D2254 | 1-216-037-00 | DEC CUID | 330 | 5% | 1/10W |
| | | | | | 1 | | , | 150 | | |
| Q3308 8-729-230 | | | | | l | 1-216-029-00 | | | 5% | 1/10W |
| Q3309 8-729-230 | | | | | 1 | 1-216-067-00 | , | 5.6K | 5% | 1/10W |
| Q3310 8-729-230 | | | -1E85L | | | 1-216-029-00 | | 150 | 5% | 1/10W |
| Q3312 8-729-216 | -22 TRANSISTOR | 25A1162-G | | | K3359 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| 02242 0 720 220 | 40 TRANSISTOR | 2002712 VC | TEOFI | | Dagen | 1 016 005 01 | DEC CLUD | 100 | E0/ | 4/40\\/ |
| Q3313 8-729-230 | | | | | 1 | 1-216-025-91 | | 100 | 5% | 1/10W |
| Q3314 8-729-230 | | | -1E85L | | 1 | 1-216-049-91 | , | 1K | 5% | 1/10W |
| Q3315 8-729-900 | | | TEOFI | | l | 1-216-045-00 | , | 680 | 5% | 1/10W |
| Q3316 8-729-230 | | | | | 1 | 1-216-035-00 | , | 270 | 5% | 1/10W |
| Q3317 8-729-230 | 49 TRANSISTOR | 25C2/12-YG | -1E85L | | R3364 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| 00040 0 700 000 | 40 TD 4 NOIOTOD | 0000740 \/0 | TEOFI | | DOOGE | 4 040 040 04 | DEO OLUB | 500 | 5 0/ | 4 /4 0\4/ |
| Q3318 8-729-230 | | | -1E85L | | 1 | 1-216-043-91 | , | 560 | 5% | 1/10W |
| Q3319 8-729-216 | | | | | | 1-216-067-00 | | 5.6K | 5% | 1/10W |
| Q3320 8-729-230 | 49 TRANSISTOR | 2SC2/12-YG | -1E85L | | l | 1-216-037-00 | , | 330 | 5% | 1/10W |
| | | | | | 1 | 1-216-689-11 | , | 39K | 5% | 1/10W |
| | DEGIOTOR | | | | R33/3 | 1-216-689-11 | RES,CHIP | 39K | 5% | 1/10W |
| | <resistor></resistor> | | | | D0074 | 4 040 004 00 | DEO OLUD | 0.014 | 5 0/ | 4/40\4/ |
| D0004 4 040 005 | 04 DE0 01 IID | 400 | -0/ | 4 /4 0 \ \ \ \ | | 1-216-061-00 | | 3.3K | 5% | 1/10W |
| R3301 1-216-025 | | | | 1/10W | 1 | 1-216-069-00 | | 6.8K | 5% | 1/10W |
| R3302 1-216-025 | | | | 1/10W | | 1-216-049-91 | - / - | 1K | 5% | 1/10W |
| R3303 1-216-017 | , | | | 1/10W | 1 | 1-216-115-00 | , | 560K | 5% | 1/10W |
| R3304 1-216-017 | | | | 1/10W | R3378 | 1-216-063-91 | RES,CHIP | 3.9K | 5% | 1/10W |
| R3305 1-216-017 | 91 RES,CHIP | 47 5 | 5% | 1/10W | D0070 | 4 040 005 04 | OLIODE | • | | |
| D0007 4 040 000 | 00 DEO 01 IID | | -0/ | 4 /4 0 \ 4 / | l | 1-216-295-91 | | 0 | 5 0/ | 4 /4 0\4/ |
| R3307 1-216-033 | , | | | 1/10W | | 1-216-067-00 | | 5.6K | 5% | 1/10W |
| R3308 1-216-049 | , | | | 1/10W | 1 | 1-216-095-00 | | 82K | 5% | 1/10W |
| R3309 1-216-033 | · | | | 1/10W | | 1-216-049-91 | * | 1K | 5% | 1/10W |
| R3312 1-216-033 | · | | 5% | 1/10W | R3386 | 1-216-041-00 | RES,CHIP | 470 | 5% | 1/10W |
| R3313 1-216-295 | 91 SHORT | 0 | | | | | 556 61115 | | = | |
| | | _ | | | l | 1-216-039-00 | | 390 | 5% | 1/10W |
| R3314 1-216-295 | | 0 | | | l | 1-216-025-91 | | 100 | 5% | 1/10W |
| R3315 1-216-295 | | 0 | | | | 1-216-025-91 | * | 100 | 5% | 1/10W |
| R3319 1-216-073 | , | | | 1/10W | l | 1-216-073-00 | | 10K | 5% | 1/10W |
| R3325 1-216-025 | · | | | 1/10W | R3394 | 1-216-043-91 | RES,CHIP | 560 | 5% | 1/10W |
| R3326 1-216-041 | 00 RES,CHIP | 470 5 | 5% | 1/10W | _ | | | | | |
| | | | | | l | 1-216-033-00 | | 220 | 5% | 1/10W |
| R3327 1-216-041 | · | | | 1/10W | | 1-216-049-91 | • | 1K | 5% | 1/10W |
| R3328 1-216-033 | | | | 1/10W | l | 1-216-085-00 | | 33K | 5% | 1/10W |
| R3329 1-216-041 | · | | | 1/10W | 1 | 1-216-073-00 | | 10K | 5% | 1/10W |
| R3330 1-216-041 | -00 RES,CHIP | | | 1/10W | R3401 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R3331 1-216-047 | 91 RES,CHIP | 820 5 | 5% | 1/10W | | | | | | |
| | | | | | l | 1-216-049-91 | | 1K | 5% | 1/10W |
| R3332 1-216-041 | | | | 1/10W | | 1-216-049-91 | • | 1K | 5% | 1/10W |
| R3333 1-216-025 | 91 RES,CHIP | 100 5 | 5% | 1/10W | R3404 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| | | | | | | | | | | |



| REF.NO. | PART NO. | DESCRIPTION | l | RI | EMARK | REF.NO. | PART NO. | DESCRIPTION | <u> </u> | R | EMARK |
|--------------|------------------------------|-------------------------|--------------------|------------|----------------|--------------|------------------------------|--|---------------------|-------------|---------------|
| | 1-216-077-00 1-216-689-11 | | 15K 39K | 5% 5% | 1/10W 1/10W | C725 | 1-107-651-11 | ELECT | 4.7MF | 20% | 250V |
| | 1-216-041-00 1-216-041-00 | | 470 470 | 5% 5% | 1/10W 1/10W | | | <connector< td=""><td>></td><td></td><td></td></connector<> | > | | |
| | 1-216-033-00 | | 220 | 5% | 1/10W | | | PIN, CONNECT | | PITCH) | 4P |
| | 1-216-073-00 1-216-049-91 | | 10K 1K | 5% 5% | 1/10W 1/10W | | | PLUG, CONNECTAB (CONTACT | | | |
| | | | | | | CN704 | 1-095-915-11 | TAB (CONTAC | 1) | | |
| | 1-216-085-00 1-216-041-00 | | 33K 470 | 5% 5% | 1/10W 1/10W | | | <diode></diode> | | | |
| | 1-216-041-00 | | 470 | 5% | 1/10W | | | <diode></diode> | | | |
| R3415 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | D704 | 8-719-911-19 | DIODE 1SS119 | -25 | | |
| R3417 | 1-216-081-00 | RES,CHIP | 22K | 5% | 1/10W | D705 D707 | | DIODE 1SS119 DIODE 1SS119 | | | |
| | 1-216-081-00 | | 22K | 5% | 1/10W | D709 | | DIODE HSS83T | | | |
| | 1-216-077-00 1-216-077-00 | | 15K 15K | 5% 5% | 1/10W 1/10W | D710 | 8-719-051-85 | DIODE HSS83T | D | | |
| | 1-216-077-00 | | 10K | 5% 5% | 1/10W | D711 | 8-719-051-85 | DIODE HSS83T | -D | | |
| | 1-216-073-00 | | 10K | 5% | 1/10W | | | DIODE GP08D | | | |
| | | | | | | D713 | 8-719-109-72 | DIODE RD3.9E | SB2 | | |
| | 1-216-073-00 | | 10K | 5% | 1/10W | | | DIODE 1SS119 | | | |
| | 1-208-803-11 1-208-780-11 | | 7.5K 820 | | 1/10W 1/10W | D/15 | 8-719-911-19 | DIODE 1SS119 | -25 | | |
| | 1-208-781-11 | | 910 | | 1/10W | D716 | 8-719-911-19 | DIODE 1SS119 | -25 | | |
| | 1-216-295-91 | | 0 | 0.0070 | ., | 27.10 | | 2.022 .000 | | | |
| R3428 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | | | <ic></ic> | | | |
| | 1-216-025-91 | | 100 | 5% | 1/10W | 10704 | 0.750.040.40 | 10 | TD 4 0 4 0 4 | 0 (1) 10 | |
| | 1-216-083-00 1-216-065-00 | | 27K 4.7K | 5% 5% | 1/10W 1/10W | | 8-759-346-42 8-759-346-42 | | TDA6101 | | |
| | 1-216-065-00 | , | 4.7K 4.7K | 5% | 1/10W | | 8-759-346-42 | | TDA6101 | | |
| | 1-216-077-00 | | 15K | 5% | 1/10W | | | | | | |
| | 1-208-798-11 | | 4.7K | | 1/10W | | | <jack></jack> | | | |
| | | | | | | J701 ₫ | △ 1-540-071-22 | SOCKET, CRT | | | |
| ******* | ****** | ****** | ******* | ******* | ****** | | | <coil></coil> | | | |
| * | A-1331-745-A | AC1 BOARD,COI | | | | | | | | | |
| | | ****** | ***** | | | L701 | 1-410-667-31 | INDUCTOR | 22UH | | |
| | | <capacitor></capacitor> | | | | | | <transistor< td=""><td>></td><td></td><td></td></transistor<> | > | | |
| C701 | 1-102-114-00 | | 470PF | 10% | 50V | Q701 | 8-729-119-76 | TRANSISTOR | 2SA1175- | HFE. | |
| C702 | 1-128-551-11 | | 22MF | 20% | 25V | | | | | | |
| | 1-104-664-11 | _ | 47MF | 20% | 25V | | | <resistor></resistor> | | | |
| | 1-107-651-11 1-124-903-11 | | 4.7MF | 20% | 250V | D704 | 4 047 007 04 | CARRON | 100 | 50 / | 4/4\\ |
| C708 | 1-124-903-11 | ELECT | 1MF | 20% | 50V | R701 R702 | 1-247-807-31 1-249-417-11 | | 100 1K | 5% 5% | 1/4W 1/4W |
| C709 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V | R703 | 1-249-437-11 | | 47K | 5% | 1/4W |
| | 1-107-651-11 | - | 4.7MF | 20% | 250V | R704 | 1-215-413-00 | | 470 | 1% | 1/4W |
| C711 | 1-107-651-11 | | 4.7MF | 20% | 250V | R705 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| C712 C714 | 1-101-006-00 1-101-006-00 | | 0.047MF 0.047MF | | 50V 50V | R707 | 1-215-422-00 | METAI | 1.1K | 1% | 1/4W |
| 0714 | 1-101-000 - 00 | JERMINIO | J.OHI IVII | | 50 V | R707 | 1-215-422-00 | | 1.1K 1.1K | 1% | 1/4VV 1/4W |
| C715 | 1-101-006-00 | CERAMIC | 0.047MF | | 50V | R709 | 1-215-423-00 | | 1.2K | 1% | 1/4W |
| | 1-102-157-00 | | 560PF | 10% | 500V | R710 | 1-215-413-00 | | 470 | 1% | 1/4W |
| | 1-102-157-00 | | 560PF | 10% | 500V | R711 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| C718 C719 | 1-102-157-00 1-102-074-00 | | 560PF 0.001MF | 10% 10% | 500V 50V | R718 | 1-247-843-11 | CARRON | 3.3K | 5% | 1/4W |
| C/ 19 | 1-102-074-00 | CENAIVIIC | J.JUTIVIF | 1070 | 30 V | R718 | 1-247-843-11 | | 3.3K 3.3K | 5% 5% | 1/4VV 1/4W |
| C720 | 1-136-627-11 | FILM | 0.022MF | 3% | 1KV | R720 | 1-247-843-11 | | 3.3K | 5% | 1/4W |
| C721 | 1-107-651-11 | ELECT | 4.7MF | 20% | 250V | R722 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |



| | | | | | | | | B.4.D.T | DE005:37:5: | | _ | .= |
|--------------|------------------------------|--|-------------|-------------|------------|-----|---------|----------------|--|------------|--------|--------|
| REF.NO. | PART NO. | DESCRIPTION | <u> </u> | RI | EMARI | K | REF.NO. | PART NO. | DESCRIPTION | | F | REMARK |
| R725 | 1-215-903-11 | METAL OXIDE | 68K | 5% | 2W | F | | | <transistor:< td=""><td>></td><td></td><td></td></transistor:<> | > | | |
| R727 | | METAL OXIDE | | 5% | 2W | F | Q961 | 8-729-119-78 | TRANSISTOR 2 | SC2785-HI | =E | |
| R729 | | METAL OXIDE | | 5% | | F | | | TRANSISTOR 2 | | =E | |
| R731 | 1-247-752-11 | | 1K | 5% | 1/2W | | | | TRANSISTOR 2 | | | |
| | 1-247-752-11 | - | 1K | 5% | 1/2W | | | | TRANSISTOR 2 | | | |
| R733 | 1-247-752-11 | CARBON | 1K | 5% | 1/2W | | Q967 | 8-729-119-78 | TRANSISTOR 2 | SC2785-HI | FE. | |
| R734 | 1-247-739-11 | | 100 | 5% | 1/2W | | Q968 | 8-729-119-76 | TRANSISTOR 2 | SA1175-HF | E | |
| R735 | 1-244-941-00 | | 680K | 5% | 1/2W | | | | | | | |
| R737 | 1-249-496-11 | - | 100K | 5% | 1/2W | | | | DECICEOD. | | | |
| R738 R740 | 1-249-489-11 1-216-389-11 | METAL OXIDE | 22K 1 | 5% 5% | 1/2W 3W | | | | <resistor></resistor> | | | |
| D7.40 | 4 044 004 00 | 0.455011 | 50016 | 5 0/ | 4 (0) 4 (| | | 1-249-401-11 | | 47 | 5% | 1/4W |
| R743 | 1-214-931-00 | CARBON | 560K | 5% | 1/2W | | | 1-249-417-11 | - | 1K | 5% | 1/4W |
| | | | | | | | | 1-249-414-11 | | 560 | 5% | 1/4W F |
| | | \/ADIADI | OLOTOD | | | | | 1-249-419-11 | | 1.5K | 5% | 1/4W |
| | | <variable re<="" td=""><td>:51510R></td><td></td><td></td><td></td><td>R967</td><td>1-249-411-11</td><td>CARBON</td><td>330</td><td>5%</td><td>1/4W</td></variable> | :51510R> | | | | R967 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| | | RES, ADJ, MET | | 110M | | | | 1-249-417-11 | | 1K | 5% | 1/4W |
| RV702 | 1-230-641-11 | RES, ADJ, MET | AL GLAZE | 2.2M | | | | 1-249-383-11 | | 1.5 | 5% | 1/4W F |
| | | | | | | | | 1-249-403-11 | | 68 | 5% | 1/4W |
| | | | | | | | R971 | 1-247-815-91 | - | 220 | 5% | 1/4W |
| ***** | ****** | ****** | ****** | ***** | ****** | *** | R972 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| | | | | | | | R973 | 1-249-403-11 | CARBON | 68 | 5% | 1/4W |
| , | * A-1342-375-A | VM BOARD,CO | MPLETE | | | | R974 | 1-216-476-11 | METAL OXIDE | 180 | 5% | 3W F |
| | | ******* | ***** | | | | R975 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W F |
| | | | | | | | R976 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| | 4-382-854-11 | SCREW (M3X1 | 0), P, SW (| +) | | | R977 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| | | | | | | | R979 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W |
| | | <capacitor></capacitor> | | | | | R981 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W |
| | | | | | | | R982 | 1-249-383-11 | CARBON | 1.5 | 5% | 1/4W F |
| C961 | 1-161-830-00 | | 0.0047MF | | 500V | | | 1-247-815-91 | | 220 | 5% | 1/4W |
| C962 | 1-130-491-00 | | 0.047MF | | 50V | | R988 | 1-215-880-00 | METAL OXIDE | 10 | 5% | 2W F |
| C963 | 1-107-638-11 | | 33MF | 20% | 160V | | | | 0.1.000.1 | | | |
| C968 | 1-106-383-00 | | 0.047MF | | 200V | | R989 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| C969 | 1-107-949-11 | ELECT | 2.2MF | 20% | 160V | | | | | | | |
| | 1-104-999-11 | | 0.1MF | 10% | 200V | | | | | | | |
| C971 | 1-126-968-11 | _ | 100MF | 20% | 50V | | ******* | ****** | ****** | ********** | ****** | ****** |
| C972 | 1-107-883-11 | | 330MF | 20% | 16V | | | | | | | |
| C973 | 1-130-491-00 | | 0.047MF | | 50V | | , | * A-1343-415-A | D2 BOARD,COM | MPLETE | | |
| C978 | 1-130-471-00 | MYLAR | 0.001MF | 5% | 50V | | | | ****** | **** | | |
| C979 | 1-130-471-00 | | 0.001MF | | 50V | | | | 045401705 | | | |
| C980 | 1-126-933-11 | ELECT | 100MF | 20% | 16V | | | | <capacitor></capacitor> | | | |
| | | | | | | | | 1-130-479-00 | | 0.0047MF | | 50V |
| | | <connector< td=""><td>></td><td></td><td></td><td></td><td></td><td>1-104-664-11</td><td></td><td>47MF</td><td>20%</td><td>25V</td></connector<> | > | | | | | 1-104-664-11 | | 47MF | 20% | 25V |
| | | | | | | | | 1-136-559-11 | | 0.0047MF | 10% | 400V |
| | | PLUG, CONNE | | | | | | 1-126-964-11 | | 10MF | 20% | 50V |
| CN964 | *1-770-723-11 | CONNECTOR, | BOARD TO | BOARI | D 8P | | C2810 | 1-129-702-00 | FILM | 0.001MF | 5% | 630V |
| | | | | | | | C2811 | 1-107-938-11 | ELECT | 0.47MF | 20% | 160V |
| | | <diode></diode> | | | | | C2813 | 1-107-636-11 | ELECT | 10MF | 20% | 160V |
| | | | | | | | | 1-126-964-11 | | 10MF | 20% | 50V |
| | | DIODE 1SS119 | | | | | | 1-136-559-11 | | 0.0047MF | | 400V |
| | | DIODE 1SS119 | | | | | C2817 | 1-102-244-00 | CERAMIC | 220PF | 10% | 500V |
| | | DIODE RD39ES | | | | | | | | | | |
| | | DIODE RD39ES | | | | | | 1-107-633-91 | | 0.0056MF | | 630V |
| D969 | 8-719-911-19 | DIODE 1SS119 | -25 | | | | | 1-104-664-11 | | 47MF | 20% | 25V |
| D070 | 0.740.044.40 | DIODE 400440 | 25 | | | | | 1-107-714-11 | | 10MF | 20% | 16V |
| | | DIODE 188119 | | | | | | 1-106-375-12 | | 0.022MF | | 250V |
| טאפע | 0-7 19-911-19 | DIODE 1SS119 | -20 | | | | 02823 | 1-126-960-11 | LLEU I | 1MF | 20% | 50V |



| REF.NO. | PART NO. | DESCRIPTION | | RI | EMARK | REF.NO. | PART NO. | DESCRIPTION | | REMARK | <u> </u> |
|---------|----------------|---|------------|-------------|--------|----------|---------------|--|-------------|--------------|----------|
| C2824 | 1-104-664-11 | FLECT | 47MF | 20% | 25V | O2821 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFF | : | |
| | 1-129-767-91 | | 0.068MF | | 200V | | | TRANSISTOR | | | |
| | 1-136-173-00 | | 0.47MF | 5% | 50V | | | TRANSISTOR | | | |
| | 1-107-714-11 | | 10MF | 20% | 16V | Q2023 | 0-123-011-00 | TIVANOISTON | 2004793 | | |
| | 1-107-714-11 | | | | | | | | | | |
| C2630 | 1-13/-300-11 | FILIVI | 0.0047MF | 5% | 50V | | | <resistor></resistor> | | | |
| C2831 | 1-107-714-11 | FLECT | 10MF | 20% | 16V | | | (NEOIOTOIN) | | | |
| | 1-126-960-11 | | 1MF | 20% | 50V | D2901 | 1-249-431-11 | CADRON | 15K 5% | 1/4W | |
| | 1-137-366-11 | | 0.0022MF | | 50V | | 1-249-421-11 | | 2.2K 5% | | |
| | 1-106-220-00 | | 0.0022IVII | 10% | 100V | | 1-249-413-11 | | 470 5% | | |
| | 1-100-220-00 | | 0.01MF | 10% | 50V | | 1-249-413-11 | | 10K 5% | | |
| 02031 | 1-102-129-00 | CERAINIC | O.O HVII | 10 /6 | 30 V | | 1-249-429-11 | - | 10K 5% | | |
| C2840 | 1-137-353-11 | EII M | 0.047MF | 5 0/ | 100V | 112009 | 1-243-423-11 | CARDON | 1010 370 | 1/400 | |
| | 1-136-173-00 | | 0.047MF | 5% | 50V | D2012 | 1-249-441-11 | CADDON | 100K 5% | 1/4W | |
| 02041 | 1-130-173-00 | LICIVI | 0.47 IVII | 3 /0 | 30 V | | 1-249-437-11 | | 47K 5% | | |
| | | | | | | | 1-249-441-11 | | 100K 5% | | |
| | | <connector:< td=""><td></td><td></td><td></td><td></td><td>1-249-441-11</td><td></td><td></td><td></td><td></td></connector:<> | | | | | 1-249-441-11 | | | | |
| | | <connector:< td=""><td>></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td></connector:<> | > | | | | | | | | _ |
| CNIODO | 1*4 504 507 4 | 4 DILLIC CONNE | CTOD 4D | | | K2821 | 1-249-412-11 | CARBON | 390 5% | 1/4W | Г |
| | | 1 PLUG, CONNE | | 20040 | D 40D | D0004 | 4 0 40 000 44 | OADDON | 40 50/ | 4 (4) 4 (| _ |
| | | 1 CONNECTOR, | - | | | | 1-249-393-11 | | 10 5% | | Г |
| CN2823 | 3 1-764-612-11 | 1 CONNECTOR, | BOARD IC | BOAR | (D 10P | | 1-249-411-11 | | 330 5% | | |
| | | | | | | | 1-249-429-11 | | 10K 5% | | |
| | | 51055 | | | | _ | 1-249-413-11 | - | 470 5% | | _ |
| | | <diode></diode> | | | | R2830 | 1-215-876-00 | METAL OXIDE | 15K 5% | 1W | F |
| D2004 | 0.710.011.10 | DIODE 100110 | 25 | | | D0004 | 1 015 075 11 | METAL OVIDE | 101/ 50/ | 1W | _ |
| | | DIODE 1SS119- | | | | | | METAL OXIDE | | | |
| | | DIODE S2LA20I | | | | | | METAL OXIDE | | | |
| | | DIODE S2LA20I | | | | | | METAL OXIDE | | | Г |
| | | DIODE 1SS119- | 25 | | | | 1-249-413-11 | | 470 5% | | |
| D2806 | 8-719-302-43 | DIODE EL1Z | | | | R2838 | 1-249-428-11 | CARBON | 8.2K 5% | 1/4W | |
| D2807 | 8-719-109-97 | DIODE RD6.8ES | SB2 | | | R2839 | 1-247-863-91 | CARBON | 22K 5% | 1/4W | |
| | | DIODE 1SS119- | | | | | 1-249-441-11 | | 100K 5% | | |
| | | DIODE 188119- | | | | | 1-247-863-91 | | 22K 5% | | |
| D2013 | 0-713-311-13 | DIODE 100119 | 25 | | | | 1-247-843-11 | | 3.3K 5% | | |
| | | | | | | | 1-249-441-11 | | 100K 5% | | |
| | | <ic></ic> | | | | 112040 | 1 240 441 11 | O/ II (BOIT | 10010 070 | 1/ | |
| | | | | | | R2844 | 1-249-441-11 | CARBON | 100K 5% | 1/4W | |
| IC2801 | 8-759-729-03 | IC NJM2903D | | | | R2845 | 1-249-429-11 | CARBON | 10K 5% | 1/4W | |
| IC2803 | 8-759-701-59 | IC NJM78M09F | 4 | | | R2846 | 1-249-421-11 | CARBON | 2.2K 5% | 1/4W | |
| IC2805 | 8-759-135-80 | IC UPC358C | | | | R2847 | 1-249-417-11 | CARBON | 1K 5% | | |
| | | | | | | R2848 | 1-247-863-91 | CARBON | 22K 5% | | |
| | | | | | | | | | | | |
| | | <coil></coil> | | | | | 1-249-429-11 | | 10K 5% | | |
| | | | | | | R2850 | 1-215-914-11 | METAL OXIDE | 330 5% | 3W | F |
| L2801 | 1-406-677-11 | COIL, CHOKE | 10MMH | | | R2851 | 1-249-425-11 | CARBON | 4.7K 5% | 1/4W | |
| | | COIL, CHOKE | 10MMH | | | | | METAL OXIDE | 330 5% | | F |
| | 1-410-093-11 | | 33MMH | | | R2854 | 1-249-425-11 | CARBON | 4.7K 5% | 1/4W | |
| L2806 | 1-406-678-11 | COIL, CHOKE | 15MMH | | | | | 0.100011 | | | |
| | | | | | | | 1-247-863-91 | | 22K 5% | | |
| | | | | | | | 1-249-420-11 | | 1.8K 5% | | |
| | | <transistor:< td=""><td>></td><td></td><td></td><td></td><td>1-249-421-11</td><td></td><td>2.2K 5%</td><td></td><td></td></transistor:<> | > | | | | 1-249-421-11 | | 2.2K 5% | | |
| _ | | | | | | | 1-249-422-11 | - | 2.7K 5% | | |
| | | TRANSISTOR | | | | R2861 | 1-247-889-00 | CARBON | 270K 5% | 1/4W | |
| | | TRANSISTOR | | | | | | | | | |
| | | TRANSISTOR | | | | | 1-247-889-00 | | 270K 5% | | |
| | | TRANSISTOR | | (| | | 1-249-429-11 | | 10K 5% | 1/4W | |
| Q2811 | 8-729-931-45 | TRANSISTOR | IRF614 | | | | 1-247-863-91 | | 22K 5% | 1/4W | |
| | | | | | | R2869 | 1-247-895-91 | CARBON | 470K 5% | 1/4W | |
| Q2812 | 8-729-119-76 | TRANSISTOR | 2SA1175- | | | R2871 | 1-249-421-11 | CARBON | 2.2K 5% | 1/4W | |
| Q2813 | 8-729-119-78 | TRANSISTOR | 2SC2785- | HFE | | | | | | | |
| Q2813 | 8-729-119-78 | TRANSISTOR | 2SC2785- | HFE | | R2872 | 1-249-421-11 | CARBON | 2.2K 5% | 1/4W | |
| Q2814 | 8-729-119-76 | TRANSISTOR | 2SA1175- | HFE | | R2874 | 1-249-435-11 | CARBON | 33K 5% | 1/4W | |
| Q2815 | 8-729-119-78 | TRANSISTOR | 2SC2785- | HFE | | R2877 | 1-215-905-11 | METAL OXIDE | 10 5% | 3W | F |
| | | TD 4440:5-55 | | | | | | | | | |
| | | TRANSISTOR | | | | | | | | | |
| Q2818 | 8-729-119-78 | TRANSISTOR | 2SC2785- | HFE | | ******** | | ^ ^ ~ * * * * * * * * * * * * * * * * * * * | | ^ ********** | ** |



| | PARTNO | DECORISTICS | | | EMAD! | DECNO | DARTHO | DECODICTION | | | EMAR! |
|---------|------------------------------|--|----------------|------------|----------------|--------------|------------------------------|-------------------------------|------------------|------------|---------------|
| REF.NO. | PART NO. | DESCRIPTION | <u> </u> | RI | EMARK | REF.NO. | PART NO. | DESCRIPTION | | RI | EMARK |
| * | * A-1343-417-A | DH BOARD,CO | | | | , | * A-1346-685- <i>A</i> | AD BOARD,COM | | | |
| | | | | | | | | WIRE UL1007 A SCREW (M3X10 | | | K |
| | | <capacitor></capacitor> | | | | | | , | , | | |
| | 1-126-964-11 1-102-129-00 | | 10MF 0.01MF | 20% 10% | 50V 50V | | | <capacitor></capacitor> | | | |
| | 1-126-964-11 | | 10MF | 20% | 50V | C602 | 1-107-929-11 | | 10MF | 20% | 100V |
| | 1-102-129-00 1-126-964-11 | | 0.01MF 10MF | 10% 20% | 50V 50V | C603 C604 | 1-107-883-11 1-102-074-00 | | 330MF 0.001MF | 20% 10% | 16V 50V |
| 03000 | 1-120-304-11 | | TOWN | 20/0 | 50 v | C605 | 1-102-074-00 | | 0.001MF | 10% | 3KV |
| | 1-126-964-11 | | 10MF | 20% | 50V | C607 | 1-102-002-00 | | 680PF | 10% | 500V |
| | 1-126-960-11 | | 1MF | 20% | 50V | 0000 | 4 400 000 11 | FLECT | 0000115 | 000/ | 4017 |
| C3822 | 1-136-165-00 | FILM | 0.1MF | 5% | 50V | C608 C609 | 1-128-339-11 1-107-928-11 | | 2200MF 4.7MF | 20% 20% | 16V 100V |
| | | | | | | C610 | 1-107-926-11 | | 0.001MF | 10% | 3KV |
| | | <connector< td=""><td>></td><td></td><td></td><td>C611</td><td>1-102-002-00</td><td>-</td><td>680PF</td><td>10%</td><td>500V</td></connector<> | > | | | C611 | 1-102-002-00 | - | 680PF | 10% | 500V |
| CNISOU | 0*1_56/ 509 1· | 1 PLUG, CONNE | | | | C612 | 1-102-002-00 | CERAMIC | 680PF | 10% | 500V |
| | | 1 PLUG, CONNE 1 PLUG, CONNE | | | | C613 | 1-125-494-11 | ELECT(BLOCK) | 560MF | 20% | 160V |
| | | | | | | C614 | 1-107-890-11 | ELECT` ´ | 2200MF | 20% | 25V |
| | | | | | | C615 | 1-128-550-11 | _ | 2200MF | 20% | 50V |
| | | <diode></diode> | | | | C616 C617 | 1-128-550-11 1-102-002-00 | | 2200MF 680PF | 20% 10% | 50V 500V |
| | | | | | | 0017 | 1-102-002-00 | CLIVAIVIIC | 00011 | 10 /0 | 300 V |
| | | DIODE 1SS119 | | | | C618 | 1-128-528-11 | | 470MF | 20% | 16V |
| D3806 | 8-719-911-19 | DIODE 1SS119 | -25 | | | C620 | 1-164-625-11 | | 680PF | 10% | 500V |
| | | | | | | C621 | 1-102-002-00 1-113-900-11 | | 680PF 470PF | 10% 10% | 500V 250V |
| | | <ic></ic> | | | | | 1-126-943-11 | | 2200MF | 20% | 25V |
| IC380E | 8-759-822-38 | IC I A6510 | | | | C624 | 1-102-002-00 | CERAMIC | 680PF | 10% | 500V |
| | | SENSOR UNIT. | MAGNETI | IC | | C624 | 1-102-002-00 | | 0.001MF | 10% | 500 V 50 V |
| | | 32 | | - | | C629 | 1-162-116-00 | | 680PF | 10% | 2KV |
| | | | | | | C630 | 1-162-116-00 | | 680PF | 10% | 2KV |
| | | <transistor< td=""><td>></td><td></td><td></td><td>C631</td><td>1-162-622-11</td><td>CERAMIC</td><td>330PF</td><td>10%</td><td>6.3KV</td></transistor<> | > | | | C631 | 1-162-622-11 | CERAMIC | 330PF | 10% | 6.3KV |
| | | TRANSISTOR | | -HFE | | C632 | 1-137-353-11 | MYLAR | 0.047MF | 10% | 100V |
| | | TRANSISTOR | | | | C633 | 1-162-318-11 | | 0.001MF | 10% | 500V |
| | | TRANSISTOR | | | | C640 | 1-126-935-11 | _ | 470MF 470MF | 20% | 16V |
| Q3812 | 0-729-119-78 | TRANSISTOR | 2SC2785 | -11-12 | | C641 C642 | 1-126-941-11 1-102-212-00 | | 470MF 820PF | 20% 10% | 25V 500V |
| | | | | | | _ | | | | | |
| | | <resistor></resistor> | | | | C643 | 1-164-645-11 | | 1000PF | 10% | 500V |
| R3804 | 1-215-444-00 | METAI | 9.1K | 1% | 1/4W | C644 C683 | 1-102-212-00 1-126-768-11 | - | 820PF 2200MF | 10% 20% | 500V 16V |
| | 1-215-441-00 | | 1K | 1% | 1/4W | C684 | 1-126-768-11 | | 2200MF | 20% | 16V |
| R3808 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W | C808 | 1-162-114-00 | _ | 0.0047MF | | 2KV |
| | 1-247-883-00 | | 150K | 5% | 1/4W | 00 | 4 400 000 :: | FLEOT | 4001:- | 0001 | 4.00.1 |
| R3810 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | C814 | 1-126-933-11 | | 100MF | 20% | 16V |
| R3814 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | C816 C835 | 1-102-244-00 1-126-941-11 | - | 220PF 470MF | 10% 20% | 500V 25V |
| | 1-249-429-11 | | 10K | 5% | 1/4W | C836 | 1-120-341-11 | | 470PF | 10% | 500V |
| | 1-249-377-11 | | 0.47 | 5% | 1/4W F | C839 | 1-107-655-11 | | 47MF | 20% | 250V |
| | 1-249-429-11 | | 10K | 5% | 1/4W | _ | | | | | |
| R3845 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | C840 | 1-126-941-11 | | 470MF | 20% | 25V |
| B3848 | 1-249-417-11 | CARRON | 1K | 5% | 1/4W | C841 C842 | 1-102-228-00 1-106-387-00 | | 470PF 0.068MF | 10% 10% | 500V 200V |
| | 1-249-417-11 | | 100 | 5% 5% | 1/4VV 1/4W | C842 | 1-106-367-00 | | 33MF | 10 /0 | 200V 160V |
| | 1-249-417-11 | | 1K | 5% | 1/4W | C875 | 1-102-038-00 | | 0.001MF | | 500V |
| | 1-249-377-11 | | 0.47 | 5% | 1/4W F | | | | | | |
| R3852 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W | | 1-126-959-11 | | 0.47MF | 20% | 50V |
| Door 4 | 1 240 400 44 | CARRON | 101/ | E0/ | 4 /4\\\ | 1 | 1-102-820-00 | | 330PF | 5% 5% | 50V |
| | 1-249-429-11 ******* | ************************************** | 10K ****** | 5% | 1/4W ****** | | 1-102-820-00 1-126-941-11 | | 330PF 470MF | 5% 20% | 50V 25V |
| | | | | | | 01504 | 1-120-341-11 | LLLOI | TI UIVII | 20/0 | 20 V |



| REF.NO. | PART NO. | DESCRIPTION | | RE | MARK | REF.NO. | PART NO. | DESCRIPTION | | RE | MARK |
|---------|------------------------------|-------------|---------------|-----------|------------|---------|------------------------------|---------------------------------|------------------|-----------|-------------|
| C1505 | 1-126-969-11 | ELECT | 220MF | 20% | 50V | | 1-161-830-00 1-136-175-00 | | 4700PF 0.68MF | 10% 5% | 500V 50V |
| C1506 | 1-136-171-00 | FII M | 0.33MF | 5% | 50V | | 1-125-905-11 | | 560MF | 20% | 450V |
| | 1-106-220-00 | | 0.1MF | 10% | 100V | | 1-136-601-11 | | 0.01MF | 10% | 630V |
| | 1-109-953-11 | | 2.2MF | 20% | 50V | | 1.130-711-00 | | 0.22MF | 20% | 250V |
| | 1-126-933-11 | | 100MF | 20% | 16V | 020202 | 11100111100 | 71 1LIVI | U.ZZIVII | 2070 | 250 V |
| | 1-136-165-00 | | 0.1MF | 5% | 50V | | | | | | |
| | | | | | | | | <connector></connector> | • | | |
| | 1-136-165-00 | | 0.1MF | 5% | 50V | CNICOC | *4 770 000 44 | CONNECTOR F | | | 3.40D |
| | 1-130-495-00 | | 0.1MF | 5% | 50V | | | CONNECTOR, E | | BOAKL | J 10P |
| | 1-130-495-00 | | 0.1MF | 5% 20% | 50V | | | CONNECTOR, E | | DOADE |) OD |
| | 1-126-933-11 1-126-967-11 | | 100MF 47MF | 20% | 16V 50V | | | TAB (CONTACT | | DUARL | 7 012 |
| | | | | | | | | CONNECTOR, E | | BOAR | O 8P |
| | 1-126-941-11 | | 470MF | 20% | 25V | CNICOZ | 4 005 045 44 | TAD (CONTACT | ١ | | |
| | 1-126-964-11 | | 10MF | 20% | 50V | | | TAB (CONTACT | | | 2 0 0 |
| | 1-126-964-11 | | 10MF | 20% | 50V | | | CONNECTOR, E | | BOARL | 7 8P |
| | 1-126-942-61 | | 1000MF | 20% | 25V | | | TAB (CONTACT | | DITOL IV | 40 |
| | 1-130-483-00 | | 0.01MF | 5% | 50V | | | PIN, CONNECT CONNECTOR, I | | | |
| | 1-126-964-11 | - | 10MF | 20% | 50V | | | | | | _ |
| | 1-130-483-00 | | 0.01MF | 5% | 50V | | | CONNECTOR, I | | BOAR | D 10P |
| | 1-137-399-11 | | 0.1MF | 5% | 50V | | | CONNECTOR A | | | _ |
| | 1-137-372-11 | | 0.022MF | | 50V | | | I PIN, CONNECT | | | |
| | 1-104-665-11 | | 100MF | 20% | 25V | | |) PIN, CONNECT I PLUG, CONNE | | PITCH) | 2P |
| | 1-130-495-00 | | 0.1MF | 5% | 50V | | | | | | |
| C2507 | 1-107-638-11 | ELECT | 33MF | 20% | 160V | CN260 | 5*1-508-765-00 |) PIN, CONNECT | OR (5MM | PITCH) | 3P |
| | 1-129-898-00 | | 0.0022MF | | 630V | | | | | | |
| C2509 | 1-107-846-11 | FILM | 0.1MF | 5% | 250V | | | | | | |
| C2511 | 1-130-481-00 | FILM | 0.0068MF | 5% | 50V | | | <diode></diode> | | | |
| C2514 | 1-102-244-00 | CERAMIC | 220PF | 10% | 500V | | | DIODE RD8.2ES | | | |
| C2515 | 1-137-417-11 | MYLAR | 0.0047MF | 10% | 200V | D602 | 8-719-510-26 | DIODE D1NL20- | TA | | |
| C2517 | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV | D603 | 8-719-510-26 | DIODE D1NL20- | TA | | |
| C2518 | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV | D604 | 8-719-510-37 | DIODE D5LC20U | J | | |
| C2519 | <u>1-113-582-11</u> | 1FILM | 0.017MF | 3% | 2KV | D605 | 8-719-911-19 | DIODE 1SS119- | 25 | | |
| C2520 | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV | D606 | 8-719-302-43 | DIODE EL1Z | | | |
| C2521 | 1-129-722-00 | FILM | 0.047MF | 5% | 630V | D607 | 8-719-510-73 | DIODE S3L20UF | -4 | | |
| C2522 | 1-106-383-00 | MYLAR | 0.047MF | 10% | 200V | D608 | 8-719-979-85 | DIODE EGP20G | | | |
| C2523 | 1-102-002-00 | CERAMIC | 680PF | 10% | 500V | D609 | 8-719-312-10 | DIODE RU4AM- | T3 | | |
| C2524 | 1-102-212-00 | CERAMIC | 820PF | 10% | 500V | D611 | 8-719-510-37 | DIODE D5LC20U | J | | |
| C2526 | 1-106-395-00 | MYLAR | 0.15MF | 10% | 200V | D612 | 8-719-110-02 | DIODE RD7.5ES | B1 | | |
| | 1-107-651-11 | | 4.7MF | 20% | 250V | | | DIODE 1SS119- | | | |
| | 1-115-522-11 | - | 1MF | 5% | 250V | D616 | | DIODE D1NL20- | | | |
| | 1-162-318-11 | | 0.001MF | 10% | 500V | D618 | 1-249-417-11 | | 1K | 5% | 1/4W |
| | 1-107-804-11 | | 0.68MF | 5% | 200V | D619 | | DIODE 1SS119- | | | |
| C2540 | 1-130-478-00 | MYLAR | 0.0039MF | 5% | 50V | D620 | 8-719-510-73 | DIODE S3L20UF | -4 | | |
| | 1-130-477-00 | | 0.0033MF | | 50V | D621 | | DIODE RD13ES | | | |
| | 1-130-494-11 | | 0.082MF | | 50V | D633 | | DIODE 1SS119- | | | |
| | 1-104-666-11 | | 220MF | 20% | 25V | D801 | | DIODE RGP02-2 | | | |
| | 1-126-963-11 | | 4.7MF | 20% | 50V | D803 | | DIODE 1SS119- | | | |
| | | - | | | | | | | 25 | | |
| | 1-102-112-00 | | 330PF | 10% | 50V | D814 | 8-719-302-43 | - | | | |
| | 1-162-815-11 | | 47PF | 5% | 500V | D815 | 8-719-302-43 | | | | |
| | <u>1</u> 1-113-900-11 | | 470PF | 10% | 250V | D816 | 8-719-302-43 | | 751 0400 | | |
| | <u>1</u> 1-130-711-00 | | 0.22MF | 20% | 250V | D824 | | DIODE RGP02-1 | | | |
| | ∆1-113-900-11 | | 470PF | 10% | 250V | D825 | | DIODE 1SS119- | | | |
| | <u>11-130-711-00</u> | | 0.22MF | 20% | 250V | | | DIODE 1SS119- | | | |
| | 1-107-909-11 | | 47MF | 20% | 50V | | | DIODE RD33EB | 3T | | |
| | 1-161-830-00 | | 4700PF | 10% | 500V | | | DIODE GP08D | | | |
| | 1-161-830-00 | | 4700PF | 10% | 500V | | | DIODE 1SS119- | | | |
| C2609 | 1-161-830-00 | CERAMIC | 4700PF | 10% | 500V | D1506 | 8-719-911-19 | DIODE 1SS119- | 25 | | |



| REF.NO. | PART NO. | DESCRIPTION | | REMARK | REF.NO. | PART NO. | DESCRIPTION | l | | REMARK |
|--|--|--|---|--------|---|--|--|--|-----------------------------|--|
| D1508 D1509 D1510 | 8-719-911-19 8-719-911-19 8-719-911-19 | DIODE 1SS119- DIODE 1SS119- DIODE 1SS119- DIODE 1SS119- DIODE 1SS119- | 25 25 25 | | L607 L802 L812 | 1-412-527-11 1-406-978-11 1-249-437-11 1-412-525-31 1-412-525-31 | COIL, CHOKE CARBON INDUCTOR | 15UH 150UH 47K 10UH 10UH | 5% | 1/4W |
| D1804 D1808 D2500 | 8-719-911-19 8-719-908-03 8-719-923-38 | DIODE 1SS119- DIODE 1SS119- DIODE GP08D DIODE MTZJ-T- DIODE 1SS119- | 25 77-5.6B | | L1501 L1502 L1503 | 1-412-525-31 1-412-525-31 1-412-525-31 1-412-525-31 1-406-978-11 | INDUCTOR INDUCTOR INDUCTOR | 10UH 10UH 10UH 10UH 150UH | | |
| D2506 D2507 D2508 | 8-719-945-80 8-719-945-80 | DIODE 1SS119- DIODE ERC06-1 DIODE ERC06-1 DIODE ERD29-0 DIODE EL1Z | 15S 15S | | L2506 L2507 L2508 | 1-422-613-11 1-412-553-11 1-412-553-11 | | 3.3MMH 3.3MMH | | |
| D2511 D2515 D2517 D2600 D2602 D2603 | 8-719-908-03 8-719-911-19 8-719-911-19 8-719-510-53 8-719-911-19 8-719-108-18 | DIODE GP08D DIODE GP08D DIODE 1SS119- DIODE 1SS119- DIODE D4SB60 DIODE 1SS119- THYRISTOR DIODE RD8.2ES | 25 L 25 5P6M | | Q601 Q602 Q603 Q803 | 8-729-012-62 8-729-140-96 8-729-920-24 8-729-200-17 | <transistor 1="" 2="" 2<="" td="" transistor=""><td>2SD1640Q, 2SA1507 2SD774-34 DTD114ES 2SA1091-O</td><td></td><td></td></transistor> | 2SD1640Q, 2SA1507 2SD774-34 DTD114ES 2SA1091-O | | |
| DY1 ° | * 1-580-798-11 | <connector:< td=""><td></td><td></td><td>Q1502 Q1503 Q1800</td><td>8-729-119-76 8-729-119-76 8-729-119-76</td><td>TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2</td><td>2SA1175-H 2SA1175-H 2SA1175-H</td><td>FE FE FE</td><td></td></connector:<> | | | Q1502 Q1503 Q1800 | 8-729-119-76 8-729-119-76 8-729-119-76 | TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 | 2SA1175-H 2SA1175-H 2SA1175-H | FE FE FE | |
| FB601 FB602 FB603 | 1-410-397-21 1-410-397-21 1-410-397-21 1-410-397-21 1-410-397-21 | FERRITE FERRITE FERRITE | D> 1.1UH 1.1UH 1.1UH 1.1UH 1.1UH | | Q2502 Q2503 Q2505 Q2591 Q2600 | 8-729-119-80 8-729-017-06 8-729-119-78 8-729-016-32 8-729-119-78 | TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 | 2SC2688-LI 2SC4793 2SC2785-H 2SC4927-0 2SC2785-H | K FE 1 FE | |
| FB607 FB609 | 1-410-397-21 1-410-397-21 1-410-397-21 21-410-397-21 | FERRITE FERRITE | 1.1UH 1.1UH 1.1UH 1.1UH | | R603 R604 | 1-249-417-11 1-215-901-00 | METAL OXIDE METAL OXIDE | 1K 33K | 5% 5% 5% 5% | 3W F 1/4W F 2W F 3W F |
| IC602 IC603/ IC1501 | 8-749-920-61 | PHOTO COUPL IC TDA8172 | ER ON3171-R | | R606 R607 R608 R609 R611 | | METAL OXIDE CARBON CARBON CARBON | 18 3.3K 22K 5.6K 0.1 | 5% 5% 5% 5% 10% | 1W F 1/4W 1/2W 1/2W 1/2W F |
| IC2504 | 8-759-729-03 | IC NJM2903D <coil></coil> | | | R612 R613 | 1-249-420-11 1-202-933-61 1-249-418-11 | CARBON FUSIBLE | 1.8K 0.1 1.2K | 5% 10% 5% | 1/4W 1/2W F 1/4W |
| L600 L601 L602 | 1-410-396-41 1-410-396-41 1-412-531-31 | FERRITE FERRITE | 0.45UH 0.45UH 33UH | | R615 <u>A</u> R616 | 1-219-134-11 | FUSIBLE METAL OXIDE | 0.1 | 10% 5% | 1/4W 2W F |
| L604 L605 | 1-412-531-31 1-412-527-11 | INDUCTOR | 33UH 15UH | | | 1-247-807-31 1-249-425-11 1-249-377-11 | CARBON CARBON | 100 4.7K 0.47 | 5% 5% 5% | 1/4W 1/4W 1/4W F |



| | | | | | | | | | | | | | _ |
|----|--------|-------------------|-------------|------|-------------|---------------------|---------|-----------------------------------|-------------|----------|-------------|------------|----------|
| RI | EF.NO. | PART NO. | DESCRIPTION | l | RE | MARK | REF.NO. | PART NO. | DESCRIPTION | <u> </u> | R | EMAR | <u>(</u> |
| | R622 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | R1806 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | |
| | | | 0, | | 0,0 | ., | | 1-249-429-11 | | 10K | 5% | 1/4W | |
| | R624 ∧ | 1-533-790-31 | LINK IC | | | | | 1-249-425-11 | | 4.7K | 5% | 1/4W | |
| | | 1-533-790-31 | , - | | | | | 1-249-435-11 | | 33K | 5% | 1/4W | |
| | | . 1-219-134-11 | , | 0.1 | 10% | 1/4W | | 1-249-435-11 | | 33K | 5% | 1/4W | |
| | | | | | | | KIOIU | 1-249-433-11 | CARBON | SSIN | 370 | 1/400 | |
| | | 1-260-072-11 | | 4.7 | 5% | 1/2W | D4044 | 4 0 40 40 5 4 4 | CARRON | 0017 | 5 0/ | 4 / 43 4 / | |
| | R634 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W | | 1-249-435-11 | | 33K | 5% | 1/4W | |
| | | | | | | | | 1-249-435-11 | | 33K | 5% | 1/4W | |
| | | 1-249-413-11 | | 470 | 5% | 1/4W | | 1-249-435-11 | | 33K | 5% | 1/4W | |
| | | 1-249-416-11 | | 820 | 5% | 1/4W | R1822 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| | R804 | 1-217-778-11 | FUSIBLE | 1K | 5% | 1W F | R1823 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | |
| | R836 | 1-215-465-00 | METAL | 68K | 1% | 1/4W | | | | | | | |
| | R853 | 1-249-470-11 | CARBON | 0.47 | 5% | 1/2W F | R1824 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W | |
| | | | | | | | R1825 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | |
| | R854 | 1-249-470-11 | CARBON | 0.47 | 5% | 1/2W F | R2503 | 1-215-910-00 | METAL OXIDE | 68 | 5% | 3W | F |
| | | 1-202-818-00 | | 1K | 20% | 1/2W | | 1-215-469-00 | | 100K | 1% | 1/4W | |
| | | 1-215-435-00 | | 3.9K | 1% | 1/4W | | | METAL OXIDE | | 5% | 3W | |
| | | 1-249-438-11 | | 56K | 5% | 1/4W | 112000 | 1210 470 11 | WETAL OXIDE | 00 | 070 | 011 | • |
| | | 1-249-438-11 | | 56K | 5% | 1/4W | P2507 | 1-249-429-11 | CADRON | 10K | 5% | 1/4W | |
| | 1,001 | 1-249-430-11 | CARBON | SOIN | J /0 | 1/ 4 V V | | 1-249-429-11 | | 3.3K | 5% | 1/4W | |
| | DOCO A | 4 045 450 00 | NACTAL | 2014 | 40/ | 4/4\\/ | | | | | | | |
| | | 1-215-452-00 | | 20K | 1% | 1/4W | | | METAL OXIDE | 0.56 | 5% | 1W | |
| | | 1-215-453-00 | | 22K | 1% | 1/4W | | 1-249-401-11 | | 47 | 5% | 1/4W | |
| | | 1-215-451-00 | | 18K | 1% | 1/4W | R2517 | 1-215-918-00 | METAL OXIDE | 1.5K | 5% | 3W | F |
| | | 1-249-421-11 | | 2.2K | 5% | 1/4W F | | | | | | | |
| | R884 | 1-260-199-11 | CARBON | 200K | 5% | 1/2W | R2518 | 1-215-918-00 | METAL OXIDE | 1.5K | 5% | 3W | F |
| | | | | | | | R2519 | 1-247-722-11 | CARBON | 5.6K | 5% | 1/4W | F |
| | R885 | 1-249-470-11 | CARBON | 0.47 | 5% | 1/2W F | R2520 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | |
| | R886 | 1-216-370-11 | METAL OXIDE | 1.2 | 5% | 2W F | R2521 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| | R887 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W F | R2522 | 1-216-452-11 | METAL OXIDE | 180 | 5% | 2W | F |
| | R890 | 1-260-128-11 | CARBON | 270K | 5% | 1/2W | | | | | | | |
| | | 1-249-425-11 | | 4.7K | 5% | 1/4W | R2523 | 1-215-888-00 | METAL OXIDE | 220 | 5% | 2W | F |
| | . 1002 | | 0, | | 0,70 | ., | | 1-247-887-00 | | 220K | 5% | 1/4W | |
| | R894 | 1-215-487-00 | METAL | 560K | 1% | 1/4W | | | METAL OXIDE | | 5% | 2W | |
| | | 1-249-432-11 | | 18K | 5% | 1/4W | | 1-249-437-11 | | 47K | 5% | 1/4W | |
| | | 1-215-485-00 | | 470K | 1% | 1/4W | | 1-260-314-11 | | 68 | 5% | 1/4W | |
| | | 1-215-445-00 | | 10K | 1% | 1/4VV 1/4W | NZ3Z1 | 1-200-314-11 | CARBON | 00 | 3 /0 | 1/200 | |
| | | | | | | | DOCOO | 4 047 747 44 | CADDON | 470 | 50 / | 4/0\4/ | _ |
| | K1502 | 1-215-443-00 | IVIETAL | 8.2K | 1% | 1/4W | | 1-247-747-11 | | 470 | 5% | 1/2W | |
| | D4500 | 4 0 4 0 4 0 4 4 4 | OADDON | 4517 | 5 0/ | 4 / 4\ \ \ \ | | 1-247-843-11 | | 3.3K | 5% | 1/4W | |
| | | 1-249-431-11 | | 15K | 5% | 1/4W | | 1-249-427-11 | | 6.8K | 5% | 1/4W | |
| | | 1-249-425-11 | | 4.7K | 5% | 1/4W | | | METAL OXIDE | 47 | 5% | 3W | |
| | | 1-249-435-11 | - | 33K | 5% | 1/4W | R2533 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W | F |
| | R1508 | 1-215-445-00 | METAL | 10K | 1% | 1/4W | | | | | | | |
| | R1509 | 1-215-443-00 | METAL | 8.2K | 1% | 1/4W | R2536 | 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | |
| | | | | | | | R2540 | 1-215-888-00 | METAL OXIDE | 220 | 5% | 2W | F |
| | R1511 | 1-215-913-11 | METAL OXIDE | 220 | 5% | 3W F | R2543 | 1-215-429-00 | METAL | 2.2K | 1% | 1/4W | |
| | R1512 | 1-216-369-00 | METAL OXIDE | 1 | 5% | 2W F | R2546 | 1-215-471-00 | METAL | 120K | 1% | 1/4W | |
| | R1513 | 1-215-405-00 | METAL | 220 | 1% | 1/4W | R2547 | 1-215-471-00 | METAL | 120K | 1% | 1/4W | |
| | R1514 | 1-215-453-00 | METAL | 22K | 1% | 1/4W | | | | | | | |
| | | 1-249-383-11 | | 1.5 | 5% | 1/4W F | R2556 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| | | 000 11 | | | | | | 1-249-415-11 | | 680 | 5% | 1/4W | |
| | R1516 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W | | 1-215-433-00 | | 3.3K | 1% | 1/4W | - |
| | | 1-249-426-11 | | 5.6K | 5% | 1/4W | | 1-215-445-00 | | 10K | 1% | 1/4W | |
| | | 1-249-425-11 | | 4.7K | 5% | 1/4W | | 1-215-493-00 | | 1M | 1% | 1/4W | |
| | | | | | | | 12303 | 1-213-493-00 | IVILIAL | IIVI | 1 /0 | 1/400 | |
| | | 1-249-431-11 | | 15K | 5% | 1/4W | Docoo | 4 0 40 405 44 | OADDON | 001/ | 50 / | 4 / 4\ 4 / | |
| | R1520 | 1-216-361-00 | METAL OXIDE | 0.22 | 5% | 2W F | | 1-249-435-11 | | 33K | 5% | 1/4W | |
| | | | 0.100011 | | | | | 1-249-421-11 | | 2.2K | 5% | 1/4W | |
| | | 1-247-807-31 | | 100 | 5% | 1/4W | | 1-249-421-11 | | 2.2K | 5% | 1/4W | |
| | | 1-247-863-91 | | 22K | 5% | 1/4W | | 1.218-265-1 1 <u>1.218</u> | | 8.2M | 5% | 1W | |
| | | 1-249-441-11 | | 100K | 5% | 1/4W | R2602 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |
| | R1550 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | | | | | | |
| | R1551 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W | R2604 | 1-240-005-11 | METAL | 0 | | | |
| | | | | | | | R2605 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W | F |
| | R1800 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | R2606 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W | F |
| | | 1-249-426-11 | | 5.6K | 5% | 1/4W | | 1-240-005-11 | | 0 | | | |
| | | 1-249-387-11 | | 3.3 | 5% | 1/4W F | | 1-249-437-11 | | 47K | 5% | 1/4W | |
| | | 1-249-387-11 | | 3.3 | 5% | 1/4W F | 000 | 0 .0, 11 | | | - / 0 | ., . • • | |
| | | 1-249-429-11 | | 10K | 5% | 1/4W | R2610 | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W | F |
| | 500 | . 2 10 720 11 | J. 11 DOI1 | 7011 | 370 | ., | 1.2010 | . 210 400 00 | | J.L. | J / J | 0., | • |
| | | | | | | | | | | | | | |



| | PART NO. | DESCRIPTION | | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | | R | EMARK |
|---------------------------------|--|---|--|------------------------|---------------------------------|---------------------------------|--|---|---|-----------------------------|---------------------------------|
| | 1-216-486-00 1-202-719-0 | METAL OXIDE OSOLID | 8.2K 1M | 5% 10% | 3W F 1/2W | C20 C21 C22 | 1-163-038-91 | CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP | 0.1MF | 5% 10% | 50V 25V 50V |
| RV180 ⁻ | 1 1-223-241-1 | <variable re<="" td=""><td></td><td>47K</td><td></td><td>C23 C26 C29 C30 C31</td><td></td><td>ELECT CERAMIC CHIP CERAMIC CHIP</td><td></td><td>20% 20% 5% 20%</td><td>16V 50V 50V 25V 16V</td></variable> | | 47K | | C23 C26 C29 C30 C31 | | ELECT CERAMIC CHIP CERAMIC CHIP | | 20% 20% 5% 20% | 16V 50V 50V 25V 16V |
| RY2600 | 0 <u></u> 1-515-684- | <relay> 31 RELAY</relay> | | | | C32 C35 C37 | 1-126-964-11 1-163-038-91 1-126-933-11 | CERAMIC CHIP | 10MF 0.1MF 100MF | 20% 20% | 50V 25V 16V |
| | | <switch> SWITCH, LEVEL SWITCH, LEVEL</switch> | | | | | | <connector: c<="" connectplug,="" pin,="" td=""><td>OR (PC BC</td><td>OARD)</td><td>12P</td></connector:> | OR (PC BC | OARD) | 12P |
| T801 <u>A</u> T801 T805 | 8-598-977-00 8-598-977-20 1-424-584-11 | TRANSFORME TRANSFORME FBT ASSY, NX- FBT ASSY, NX- TRANSFORME TRANSFORME | R, CONVE 4122 4122 R, DYNAM | IIC FOC | | D02 D03 D04 D05 | 8-719-105-46 8-719-105-91 | <diode dap202<br="">DIODE RD3.3M- DIODE RD5.6M- DIODE 1SS355</diode> | -B2 | | |
| T2505 T2601 / T2602 / | 1-426-981-11 ∆1-431-182-1 <i>′</i> ∆1-431-536-1 <i>′</i> | TRANSFORMEI TRANSFORMEI TRANSFORMEI TRANSFORMEI TRANSFORMEI | R, FERRIT R, LINE FII R, LINE FII R, LINE FII | E (PMT LTER LTER | | FB02 FB03 | 1-408-429-00 | FERRITE FERRITE INDUCTOR | D> 1.1UH 1.1UH 1.1UH 470UH 1.1UH | | |
| THP260 | 00 <u></u> 1-809-827 | 7-11 THERMISTO | | IVE | | 1 200 | 1 410 007 21 | <ic></ic> | | | |
| | | <test pin=""> TAB (CONTACT TAB (CONTACT</test> | | | | IC01 IC02 | 8-759-476-87 8-759-232-32 | IC SAA5261 IC TC74HC74AF <chip conduc<="" td=""><td></td><td></td><td></td></chip> | | | |
| | | | ЛРLETE (К | | | JR01 JR02 JR03 | 1-216-295-91 1-216-295-91 1-216-295-91 | SHORT | 0 0 0 | | |
| | 4-049-407-01 | CASE (BOTTOM CASE (UPPER I SHEET (V3), IN: | _ID), SHIE | LD | | Q01 Q03 Q04 Q05 Q06 | 8-729-120-28 8-729-120-28 8-729-120-28 | <transistor: 2="" 2<="" td="" transistor=""><td>SC2712-Y SC1623-L SC1623-L SC1623-L</td><td>5L6 5L6 5L6</td><td>5L</td></transistor:> | SC2712-Y SC1623-L SC1623-L SC1623-L | 5L6 5L6 5L6 | 5L |
| C01 C05 C06 C15 C16 | 1-163-038-91 1-163-251-11 | | 0.1MF 100PF | 20% 5% | 16V 25V 25V 50V 16V | Q07 Q08 Q09 Q10 Q11 | 8-729-120-28 8-729-120-28 8-729-027-52 8-729-120-28 | TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR D TRANSISTOR 2 TRANSISTOR 2 | SC1623-L SC1623-L SC1624EK SC1623-L | 5L6 5L6 A-T146 5L6 | |
| C17 C18 | | CERAMIC CHIP | | 10% 5% | 25V 50V | Q12 | 8-729-120-28 | TRANSISTOR 2 | SC1623-L | 5L6 | |



| REF.NO. | PART NO. | DESCRIPTION | | RI | EMARK | REF.NO. | PART NO. | DESCRIPTION | | F | REMARK |
|---|--|--|-------------------------------------|------------------|---|--------------------------------------|--|--|---|--------------------------------|---------------------------------|
| | | <resistor></resistor> | | | | , | * A-1372-427-A | .H7 BOARD,COM | | | |
| R01 R02 R03 R04 | 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 | SHORT SHORT SHORT | 0 0 0 | | | | | HOLDER, FUSE HOLDER, LED | | | |
| R05 | 1-216-295-91 | | 0 | | | | | <capacitor></capacitor> | | | |
| R07 R09 R13 R19 R20 R21 R22 | 1-216-295-91 1-216-049-91 1-216-295-91 1-216-295-91 1-216-073-00 1-216-083-00 1-216-025-91 | RES,CHIP SHORT SHORT RES,CHIP | 0 0 10K 5 27K 5 | % % % | 1/10W 1/10W 1/10W 1/10W | C900 C901 C902 C913 C914 | 1-126-967-11 1-102-824-00 1-126-967-11 1-102-114-00 1-102-973-00 | CERAMIC ELECT CERAMIC CERAMIC | 47MF 470PF 47MF 470PF 470PF | 20% 5% 20% 10% 10% | 16V 50V 16V 50V 50V |
| R24 R25 R27 | 1-216-295-91 1-216-295-91 1-216-295-91 | SHORT SHORT | 0 0 0 | 70 | 171000 | C916 C917 | 1-102-973-00 1-136-153-00 1-136-153-00 | CERAMIC FILM | 100PF 0.01MF 0.01MF | 5% 5% 5% | 50V 50V 50V |
| R28 R29 R30 | 1-216-025-91 1-216-025-91 1-216-295-91 | RES,CHIP | | % % | 1/10W 1/10W | | | <connector:< td=""><td>></td><td></td><td></td></connector:<> | > | | |
| R31 R32 | 1-216-295-91 1-216-057-00 | SHORT RES,CHIP | 0 2.2K 5 | % | 1/10W | CN902 CN904 | *1-564-507-11 *1-564-507-11 | SOCKET, CONN PLUG, CONNEC PLUG, CONNEC | CTOR 4P CTOR 4P | | |
| R35 R39 R40 | 1-216-295-91 1-216-049-91 1-216-073-00 | RES,CHIP RES,CHIP | 10K 5 | % % | 1/10W 1/10W | CN907 | *1-564-506-11 | SOCKET, CONNEC | CTOR 3P | 5P | |
| R42 R43 | 1-216-065-00 1-216-065-00 | RES,CHIP | 4.7K 5 | % % | 1/10W 1/10W | CN169 CN169 | 0*1-580-844-1 1*1-695-292-1 | PLUG, CONNECT PIN, CONNECT PIN, CONNECT | TOR (POW TOR (POW | | |
| R44 R45 R46 | 1-216-057-00 1-216-049-91 1-216-049-91 | RES,CHIP RES,CHIP | 1K 5 | % % % | 1/10W 1/10W 1/10W | CN260 | 1^1-564-506-1 | 1 PLUG, CONNE | CTOR 3P | | |
| R47 R48 | 1-216-049-91 1-216-049-91 | | | % % | 1/10W 1/10W | D004 | 0.740.045.40 | <diode></diode> | 4) | | |
| R49 R50 R51 R52 R53 | 1-216-073-00 | RES,CHIP RES,CHIP CERAMIC CHIP RES,CHIP | 220K 5 2.2K 5 18PF 5 10K 5 | % % % % | 1/10W 1/10W 1/10W 50V 1/10W | D914 D915 | 8-719-911-19 8-719-911-19 8-719-911-19 | DIODE 1SS119- DIODE 1SS119- DIODE 1SS119- DIODE 1SS119- | 25 25 25 | | |
| R54 R55 | 1-216-025-91 1-216-025-91 | RES,CHIP | 100 5 | % % | 1/10W 1/10W 1/10W | T1600 | \$ 1 E22 2E0 00 | <fuse></fuse> | C 44/250V | , | |
| R56 R57 R58 | 1-216-025-91 1-216-081-00 1-216-067-00 | RES,CHIP | 22K 5 | % % % | 1/10W 1/10W | 1 10902 | ···\1-332-330-00 | <ic></ic> | O 47/250 V | | |
| R59 R60 R61 R62 R71 | 1-216-295-91 1-216-295-91 1-216-295-91 1-216-182-00 1-216-295-91 | SHORT SHORT RES,CHIP | 0 0 0 220 5 | % | 1/8W | IC900 | 8-741-790-11 | HYB IC SBX179 | 0-11 | | |
| X01 | | <crystal> VIBRATOR, CR</crystal> | | łz) | | J901 J902 J903 | | | PIN (L TYP | E) 3P | |
| | | | | | | | | <coil></coil> | | | |
| ****** | ****** | ******* | ******* | ***** | ***** | L901 L902 | 1-408-409-00 1-408-409-00 | | 10UH 10UH | | |



| REF.NO. | PART NO. | DESCRIPTION | | RI | EMARK | REF.NO. | PART NO. | DESCRIPTION | | RE | MARK |
|---------|------------------------------|--|-----------|------------|---------------|--------------|------------------------------|-------------------------|-----------------|------------|---------------|
| | | <transistor:< td=""><td>></td><td></td><td></td><td>D415</td><td>8-719-923-60</td><td>DIODE MTZJ-T-</td><td>77-9.1A</td><td></td><td></td></transistor:<> | > | | | D415 | 8-719-923-60 | DIODE MTZJ-T- | 77-9.1A | | |
| | | TRANSISTOR D | | | | | | 14.014 | | | |
| Q901 | 8-729-030-02 | TRANSISTOR D | DIC144ESA | | | | | <jack></jack> | | | |
| | | <resistor></resistor> | | | | J410 | 1-784-623-11 | BLOCK, PIN JAC | CK 5P | | |
| | 1-249-425-11 | - | | 5% | 1/4W | | | <resistor></resistor> | | | |
| R901 | 1-249-425-11 | | | 5% | 1/4W | D440 | 4 045 000 00 | NACTAL | 400 | 40/ | 4/4\\ |
| | 1-249-413-11 | | | 5% = 0/ | 1/4W | _ | 1-215-399-00 | | 120 | 1% | 1/4W |
| | 1-249-417-11 | | | 5% | 1/4W | R411 | 1-215-399-00 | | 120 | 1% | 1/4W |
| R906 | 1-249-420-11 | CARBON | 1.8K 5 | 5% | 1/4W | | 1-247-804-11 1-249-420-11 | | 75 1.8K | 5% 5% | 1/4W 1/4W |
| R908 | 1-247-843-11 | CAPRON | 3.3K 5 | 5% | 1/4W | R413 | 1-249-420-11 | | 47K | 5% | 1/4VV 1/4W |
| | 1-247-643-11 | | | 5% 5% | 1/4VV 1/4W | K414 | 1-249-437-11 | CARBON | 4/ N | 3% | 1/400 |
| | 1-249-401-11 | | | 5% 5% | 1/4VV 1/4W | R415 | 1-247-843-11 | CARRON | 3.3K | 5% | 1/4W |
| | 1-249-411-11 | | | 5% 5% | 1/4VV 1/4W | | 1-247-643-11 | | 1.8K | 5% | 1/4VV 1/4W |
| | 1-249-411-11 | - | | | | | 1-249-420-11 | | 47K | | 1/4VV 1/4W |
| K917 | 1-247-007-31 | CARBON | 100 ; | 5% | 1/4W | | 1-249-437-11 | - | 3.3K | 5% 5% | 1/4VV 1/4W |
| R918 | 1 247 907 21 | CARRON | 100 5 | 5% | 1/4W | _ | | - | | | 1/4VV 1/4W |
| K916 | 1-247-807-31 | CARBON | 100 | 0% | 1/400 | K419 | 1-247-815-91 | CARBON | 220 | 5% | 1/400 |
| | | | | | | D400 | 1-247-815-91 | CARRON | 220 | E0/ | 4 /4\\/ |
| | | <switch></switch> | | | | R420 R421 | 1-247-815-91 | - | 220 220 | 5% 5% | 1/4W 1/4W |
| S901 | 1-571-532-21 | SWITCH, TACT | II | | | | | | | | |
| | | SWITCH, TACT | | | | | | | | | |
| | | SWITCH, TACT | | | | ****** | ****** | ****** | ***** | ***** | ***** |
| S904 | | SWITCH, TACT | | | | | | | | | |
| S905 | | SWITCH, TACT | | | | , | * A-1390-792-A | S1 BOARD,COM | IPLETE | | |
| | | | | | | | | ****** | ***** | | |
| ****** | ******* | ****** | ****** | ***** | ***** | | | <capacitor></capacitor> | | | |
| | | | | | | | | CERAMIC CHIP | | 10% | 50V |
| , | * A-1388-206- <i>F</i> | AJ BOARD,COM | | | | | 1-126-967-11 | | 47MF | 20% | 16V |
| | | ******* | ***** | | | | | CERAMIC CHIP | | | 50V |
| | | | | | | | | CERAMIC CHIP | | 10% | 25V |
| | | | | | | C2204 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V |
| | | <capacitor></capacitor> | | | | | 1-126-961-11 | | 2.2MF | 20% | 50V |
| 0.440 | 4 400 007 44 | FLEOT | 47145 | 2001 | 50)/ | | 1-126-959-11 | | 0.47MF | 20% | 50V |
| | 1-126-967-11 | | | 20% | 50V | | 1-126-963-11 | | 4.7MF | 20% | 50V |
| | 1-126-967-11 | | | 20% | 50V | | | CERAMIC CHIP | | 000/ | 16V |
| | 1-126-967-11 | | | 20% | 50V | C2209 | 1-126-963-11 | ELECT | 4.7MF | 20% | 50V |
| | 1-102-112-00 | | | 10% | 50V | 00040 | 4 400 000 44 | FLECT | 4 7145 | 000/ | F0\/ |
| C414 | 1-102-112-00 | CERAINIC | 330PF 1 | 10% | 50V | | 1-126-963-11 | - | 4.7MF | 20% | 50V |
| C415 | 1-126-965-11 | ELECT | 22MF 2 | 200/ | 50V | | 1-126-964-11 | CERAMIC CHIP | 10MF | 20% 10% | 50V 25V |
| | | _ | | 20% | | _ | 1-103-609-11 | | | | 25 V 50 V |
| | 1-126-960-11 1-126-960-11 | | | 20% 20% | 50V 50V | | 1-126-959-11 | | 0.47MF 4.7MF | 20% 20% | 50V 50V |
| C419 | 1-120-900-11 | ELECT | IIVIF 2 | 20% | 50 V | 02214 | 1-120-903-11 | ELECT | 4.7 IVIF | 20% | 30 V |
| | | <connector:< td=""><td>></td><td></td><td></td><td></td><td>1-164-346-11 1-126-963-11</td><td>CERAMIC CHIP FLECT</td><td>1MF 4.7MF</td><td>20%</td><td>16V 50V</td></connector:<> | > | | | | 1-164-346-11 1-126-963-11 | CERAMIC CHIP FLECT | 1MF 4.7MF | 20% | 16V 50V |
| | | -JOHN LOTON. | - | | | | 1-126-963-11 | | 4.7MF | 20% | 50V |
| CN410 | *1-564-513-11 | PLUG, CONNEC | CTOR 10P | | | | | CERAMIC CHIP | | 10% | 50V |
| 014-10 | 1 304 313 11 | 1 LOO, OOMIVE | 3101(101 | | | | 1-126-933-11 | | 100MF | 20% | 16V |
| | | <diode></diode> | | | | C2223 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| | | | | | | | | CERAMIC CHIP | | | 16V |
| D410 | 8-719-923-60 | DIODE MTZJ-T- | ·77-9.1A | | | C2237 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% | 50V |
| D411 | 8-719-923-60 | DIODE MTZJ-T- | ·77-9.1A | | | C2238 | 1-126-960-11 | ELECT | 1MF | 20% | 50V |
| D412 | 8-719-923-60 | DIODE MTZJ-T- | ·77-9.1A | | | C2271 | 1-163-989-11 | CERAMIC CHIP | 0.033MF | 10% | 25V |
| | | DIODE MTZJ-T- | | | | | | | | | |
| D414 | 8-719-923-60 | DIODE MTZJ-T- | ·77-9.1A | | | C2272 | 1-136-171-00 | FILM | 0.33MF | 5% | 50V |
| | | | | | | | | | | | |



| REF.NO. | PART NO. | DESCRIPTION | 1 | R | EMARK | REF.NO. | PART NO. | DESCRIPTION | ı | R | EMARK |
|---------|---------------|--|-----------|--------|-------|---------|---------------|-----------------------|-------|-------------|---------|
| C2273 | 1-126-963-11 | ELECT | 4.7MF | 20% | 50V | | | <resistor></resistor> | | | |
| | | CERAMIC CHIP | 47PF | 5% | 50V | | | | | | |
| | | CERAMIC CHIP | | 5% | 50V | R2201 | 1-216-073-00 | RES.CHIP | 10K | 5% | 1/10W |
| | | CERAMIC CHIP | | | 16V | | 1-216-073-00 | , | 10K | 5% | 1/10W |
| 00 | | 02.0.000 | | | | | 1-216-073-00 | , | 10K | 5% | 1/10W |
| C2277 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V | | 1-216-025-91 | - / - | 100 | 5% | 1/10W |
| | | CERAMIC CHIP | | | 16V | | 1-216-025-91 | • | 100 | 5% | 1/10W |
| | 1-126-933-11 | | 100MF | 20% | 16V | 112203 | 1 2 10 020 01 | INEO,OI III | 100 | 370 | 1/1000 |
| | 1-126-955-11 | | 100MF | 20% | 50V | P2207 | 1-216-073-00 | DES CHID | 10K | 5% | 1/10W |
| | | CERAMIC CHIP | | 20 /0 | 16V | | 1-216-075-00 | , | 10K | 5% | 1/10W |
| U2202 | 1-104-340-11 | CENAIVIIC CI IIF | TIVII | | 10 V | | 1-216-073-00 | | 150K | 5% | 1/10W |
| C2222 | 1 162 000 11 | CERAMIC CHIP | 0.000145 | 100/ | 25V | | 1-216-101-00 | | 10K | 5% 5% | 1/10W |
| | | | | | 50V | | | | 10K | | 1/10W |
| | 1-136-171-00 | | 0.33MF | 5% | | K2213 | 1-216-097-91 | KES,CHIP | TOUR | 5% | 1/1000 |
| | 1-126-963-11 | | 4.7MF | 20% | 50V | D0046 | 4 040 040 04 | DEC CLUD | 417 | F 0/ | 4/40\\/ |
| | | CERAMIC CHIP | | 5% | 50V | | 1-216-049-91 | , | 1K | 5% | 1/10W |
| C2287 | 1-163-243-11 | CERAMIC CHIP | 4/PF | 5% | 50V | | 1-216-101-00 | , | 150K | 5% | 1/10W |
| 00000 | | | | | | | 1-216-101-00 | , | 150K | 5% | 1/10W |
| | | CERAMIC CHIP | | | 16V | | 1-216-049-91 | • | 1K | 5% | 1/10W |
| | | CERAMIC CHIP | | | 16V | R2221 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| | 1-126-933-11 | | 100MF | 20% | 16V | | | | | | |
| | | CERAMIC CHIP | 1MF | | 16V | | 1-216-025-91 | | 100 | 5% | 1/10W |
| C2292 | 1-126-964-11 | ELECT | 10MF | 20% | 50V | R2247 | 1-216-039-00 | RES,CHIP | 390 | 5% | 1/10W |
| | | | | | | R2248 | 1-216-069-00 | RES,CHIP | 6.8K | 5% | 1/10W |
| C2293 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V | R2249 | 1-216-061-00 | RES,CHIP | 3.3K | 5% | 1/10W |
| | | | | | | | 1-216-097-91 | , | 100K | 5% | 1/10W |
| | | | | | | | | | | | |
| | | <connector:< td=""><td>></td><td></td><td></td><td>R2251</td><td>1-216-113-00</td><td>RES.CHIP</td><td>470K</td><td>5%</td><td>1/10W</td></connector:<> | > | | | R2251 | 1-216-113-00 | RES.CHIP | 470K | 5% | 1/10W |
| | | 100.11.120.01.1 | | | | | 1-216-075-00 | | 12K | 5% | 1/10W |
| CN2201 | 1*1_770_7/8_1 | 1 CONNECTOR, | ROARD T | | D 12D | | 1-216-097-91 | - , - | 100K | 5% | 1/10W |
| | | 1 CONNECTOR, | | | | | 1-216-097-91 | , | 100K | 5% | 1/10W |
| | | I PLUG, CONNE | | | D OF | | | • | | | 1/10W |
| CINZZUS | 3 1-304-313-1 | I PLUG, CONNE | CIOR IUF | | | K2233 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/1000 |
| | | | | | | Page | 1-216-073-00 | DEC CHID | 10K | 5% | 1/10W |
| | | DIODE | | | | | | | | | |
| | | <diode></diode> | | | | | 1-216-075-00 | , | 12K | 5% | 1/10W |
| D0004 | 0.740.044.40 | DIODE 100110 | 0.5 | | | | 1-216-113-00 | , | 470K | 5% | 1/10W |
| | | DIODE 1SS119- | | | | | 1-216-097-91 | , | 100K | 5% | 1/10W |
| | | DIODE 1SS119- | | | | R2260 | 1-216-039-00 | RES,CHIP | 390 | 5% | 1/10W |
| | | DIODE 1SS119- | | | | | | 556 61115 | | | |
| D2207 | 8-719-911-19 | DIODE 1SS119- | -25 | | | | 1-216-061-00 | | 3.3K | 5% | 1/10W |
| | | | | | | | 1-216-069-00 | , | 6.8K | 5% | 1/10W |
| | | | | | | | 1-216-097-91 | - / - | 100K | 5% | 1/10W |
| | | <ic></ic> | | | | R2264 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| | | | | | | R2265 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| | | IC CXA1315M | | | | | | | | | |
| IC2208 | 8-759-253-06 | IC XR1071CP | | | | R2266 | 1-216-121-91 | RES,CHIP | 1M | 5% | 1/10W |
| IC2213 | 8-759-100-96 | IC UPC4558G2 | | | | R2267 | 1-216-121-91 | RES,CHIP | 1M | 5% | 1/10W |
| IC2214 | 8-759-100-96 | IC UPC4558G2 | | | | R2268 | 1-216-075-00 | RES,CHIP | 12K | 5% | 1/10W |
| | | | | | | R2269 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| | | | | | | R2270 | 1-216-121-91 | RES,CHIP | 1M | 5% | 1/10W |
| | | <chip conduc<="" td=""><td>CTOR></td><td></td><td></td><td></td><td></td><td>·</td><td></td><td></td><td></td></chip> | CTOR> | | | | | · | | | |
| | | | | | | R2271 | 1-216-121-91 | RES,CHIP | 1M | 5% | 1/10W |
| JR2203 | 1-216-295-91 | SHORT | 0 | | | | 1-216-097-91 | • | 100K | 5% | 1/10W |
| | 1-216-295-91 | | 0 | | | | 1-216-065-00 | | 4.7K | 5% | 1/10W |
| | 1-216-295-91 | | 0 | | | | 1-216-097-91 | | 100K | 5% | 1/10W |
| | 1-216-295-91 | | 0 | | | | 1-216-097-91 | | 100K | 5% | 1/10W |
| 3112200 | 1 2 10 200 0 | TOHORT | U | | | INZZII | 1210 037 31 | IXEO,OI III | 1001 | 370 | 171000 |
| | | | | | | R2270 | 1-216-073-00 | RES CHIP | 10K | 5% | 1/10W |
| | | <transistor:< td=""><td>_</td><td></td><td></td><td></td><td>1-216-073-00</td><td>,</td><td>10K</td><td>5%</td><td>1/10W</td></transistor:<> | _ | | | | 1-216-073-00 | , | 10K | 5% | 1/10W |
| | | ~ ITANSISTOR. | | | | | 1-216-073-00 | | 10K | 5% 5% | 1/10W |
| O2204 | 8-720 220 40 | TDANICICTOR O | SC2742 V | C_TEOF | ı | | 1-216-097-91 | | | | |
| | | TRANSISTOR 2 | | | | | | • | 10K | 5% | 1/10W |
| | | TRANSISTOR 2 | | G-1E85 | L | K2284 | 1-216-077-00 | KES,UMIP | 15K | 5% | 1/10W |
| | | TRANSISTOR 2 | | | | Doone | 1 016 057 00 | DEC CLUD | 2 21/ | E0/ | 1/40\\ |
| | | TRANSISTOR 2 | | | | | 1-216-057-00 | • | 2.2K | 5% | 1/10W |
| Q2205 | 8-729-216-22 | TRANSISTOR 2 | SA1162-G | ı | | | 1-216-073-00 | | 10K | 5% | 1/10W |
| 00000 | 0.700.000.10 | TDANGIOTOR | 000740 \ | O TEO- | | K2299 | 1-216-049-91 | KES,CHIP | 1K | 5% | 1/10W |
| Q2206 | 8-729-230-49 | TRANSISTOR 2 | :SU2/12-Y | G-1E85 | L | *** | ****** | ****** | **** | **** | ***** |
| | | | | | | | | | | | |

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|--|---|--|---------|---|--|--|
| | | MISCELLANEOUS | | | | ES & PACKING MATE | _ |
| | 1-416-495-11 1-416-542-11 1-452-094-00 1-452-896-11 1-505-473-11 1-505-474-11 1-555-110-00 1-574-062-11 1-769-185-21 1-769-609-21 1-771-360-11 1-777-353-11 1-900-235-68 8-451-494-11 8-453-011-11 | CORD, POWER (WITH CONN (EF29M61:EM/EF29M CORD, POWER (WITH CONN CORD, POWER (WITH CONN | (120) NECTOR) NBO/EF29M91) NECTOR) (EF29M31) NECTOR) (EF29M61:GE) (EF29M90) | 9 | 3-701-910-00 3-861-921-11 3-861-921-21 (l) 3-861-921-41 3-861-921-61 4-062-480-01 4-062-481-01 4-062-482-01 4-062-487-01 4-392-003-01 4-392-003-01 4-392-004-01 4-396-077-01 | SCREW, SPECIAL (D MANUAL, INSTRUCT (EF29M61/EI MANUAL, INSTRUCT ENGLISH, FRENCH, F (EF MANUAL, INSTRUCT MANUAL, INSTRUCT (FRENCH, F INDIVIDUAL CARTON CUSHION (UPPER)(A CUSHION (LOWER)(A TRAY BAG, PROTECTION BAND, HOLD CLIP | SION 2P M/EF29M80/EF29M91) MA. 3.8X20) TION (ENGLISH, CHINESE) F29M80:JE/EF29M90) TION PERUSSIAN, ARABIC) (29M80:ME/EF29M91) TION (ENGLISH) (EF29M31) TION PERUSSIAN, ARABIC) (EF29M80:JE) N ASSY) ASSY) |
| ****** | ****** | ********* | ***** | | | | |



BG-1L CHASSIS

CORRECTION -1

SUBJECT: CHANGE OF PARTS No.
AND ADD OF PICTURE TUBE

File this Correction with Supplement and Service manual.

: Indicate additional portion

[CHANGE]

7-2. CHASSIS (See page 96)

| INCORRECT | | | CORRECT | | | |
|-----------|----------------------------------|----|----------------------------------|--|--|--|
| 74 | ⚠ 1-453-226-31 FBT ASSY, NX-4122 | 74 | ⚠ 1-453-226-41 FBT ASSY, NX-4122 | | | |
| | | | | | | |

[ADD]

7-3. PICTURE TUBE (See page 97)

REF. NO. PART NO. DESCRIPTION

REMARK

122 riangle 8-735-042-05 PICTURE TUBE (M68LNH010X)

(KV-EF29M80 (JE) only)



※ Please file according to model size. ■



SONY® SERVICE MANUAL

BG-1L CHASSIS

CORRECTION-2

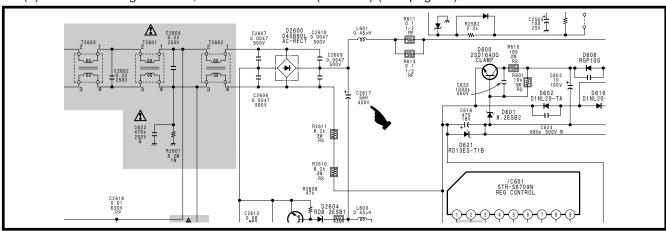
File this correction with the Supplement and Service manual.

SUBJECT: PART CHANGE

: Indicates corrected portion

SECTION 6. DIAGRAMS

(4) Schematic Diagrams of D, D2 and DH Boards (D Board) (See page81)



SECTION 8. ELECTRICAL PARTS LIST

(D Board) (See page 117)

| INCORRECT | CORRECT | | | |
|---|---|--|--|--|
| REF NO. PART NO. DESCRIPTION | REF NO. PART NO. DESCRIPTION | | | |
| C2617 1-109-841-11 ELECT (BLOCK) 560MF 20% 400V | C2617 1-125-905-11 ELECT 560MF 20% 450V | | | |



※ Please file according to model size.



CORRECTION -3

File this Correction with Supplement and Service manual.

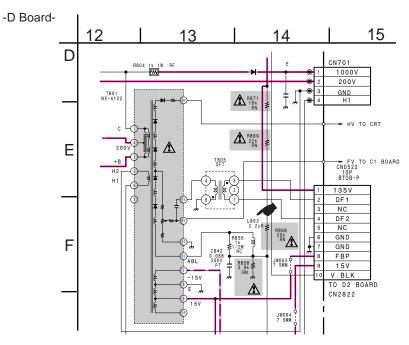
SUBJECT: CHANGE OF PARTS.

: Indicate additional portion

SECTION 6.DIAGRAMS

6-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

(4) Schematic Diagrams of D, D2 and DH Boards(See page 82)



SECTION 8. ELECTRICAL PARTS LIST

D Board (See page 118)

| | INCORF | RECT | CORRECT | | |
|---------|--------------|--------------------|---------|--------------|-----------------|
| REF NO. | PART NO. | DESCRIPTION | REF NO. | PART NO. | DESCRIPTION |
| L802 | 1-249-437-11 | CARBON 47K 5% 1/4W | L802 | 1-408-947-21 | INDUCTOR 2.2MMH |



※ Please file according to model size.

